

Appendix A

Public Notification that a potential event was occurring (40 CFR §50.14(c)(1))

FIGURE A-1
NATIONAL WEATHER SERVICE PUBLIC ZONES

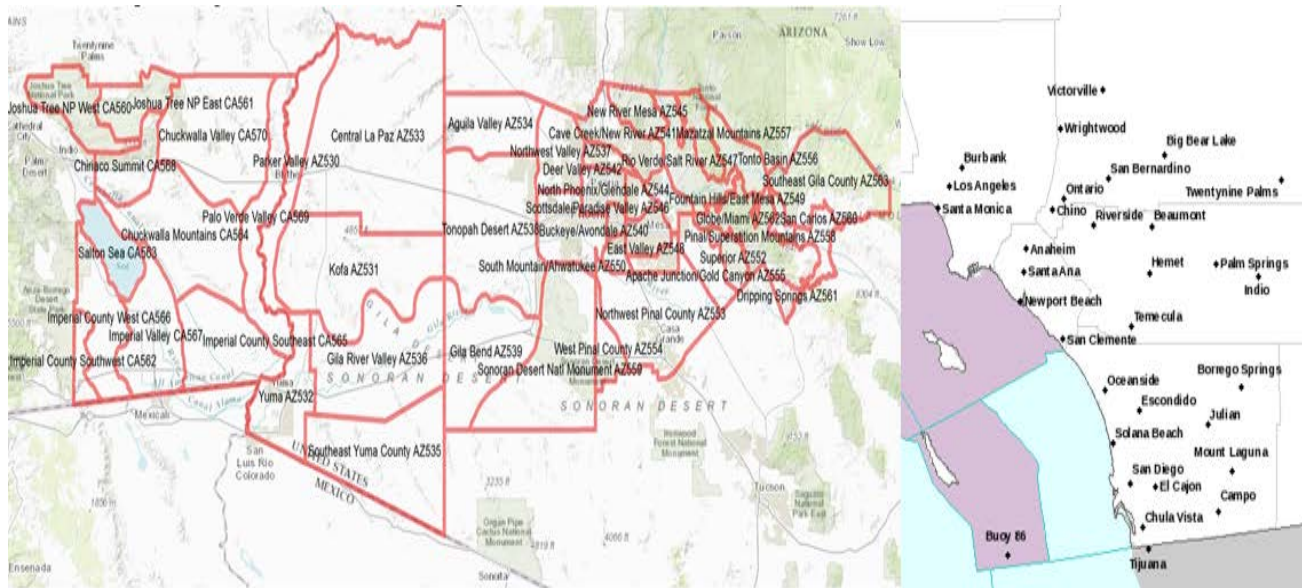


Fig A-1: Illustrates the public zones serviced by the National Weather Service Office in Phoenix and San Diego. Imperial County, including southeast sections of Riverside County are part of the reporting public zone areas from the Phoenix office

An index listing all of the issued NWS Area Forecast Discussions and notices begins with page 72. Beginning on page 77 a listing of all NWS Area Forecast Discussions and notices begin organized by date and time. All referenced notices in the main document are included beginning with page 77.

FIGURE A-2

E-CONSULTA WEATHER FORECAST FOR AUGUST 18, 2014 – PG 1

3/13/2018

Weather forecast in Mexico for Monday, August 18, 2014 | e-oaxaca.com | Digital Newspaper of Oaxaca | Mexico 2018 |


[Start](#) [Sections](#) [Opinion](#) [Blog](#)

 TUESDAY, MARCH 13, 2018

Si eliges tus amistades

Es Violencia **DENUNCIA**

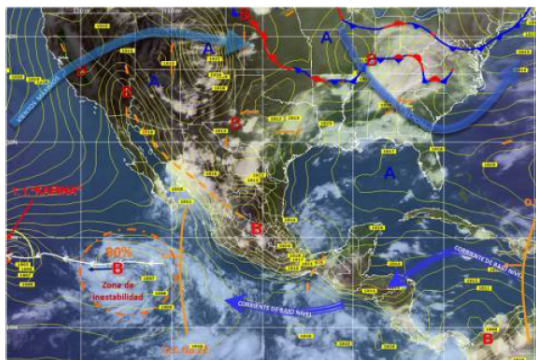
SMO
 La violencia contra
 las mujeres te afecta
 #ATITambién

Weather

Weather forecast in Mexico for Monday, August 18, 2014

Pablo Mejía Sunday, August 17, 2014 - 20:32

Warm temperatures between 35 and 45 ° C in the Peninsula of Baja California, Sonora, Chihuahua, Coahuila, Nuevo Leon, Tamaulipas and Sinaloa



~ Mexico.- Rains with electric shocks and the possibility of hail in a large part of the national territory

Data:

For tomorrow, the zone of instability that remains on the northwest, west and center of the country, will originate potential of very strong rains with electrical storms and possibility of hail in the states of Chihuahua, Sinaloa, Nayarit, Jalisco, Michoacán, Mexico and Puebla ; strong in Baja California Sur, Sonora, Durango, Zacatecas, Aguascalientes, Guanajuato, Querétaro, Colima, Hidalgo, Federal District, Morelos and Tlaxcala, and of lower intensity in Baja California, Tamaulipas and San Luis Potosí.

Low pressure channel on the southeast and south of the country, interacts with the moisture input of the Caribbean Sea and the Gulf of Mexico, generating increased cloudiness with potential for very heavy rains, thunderstorms and hail in Guerrero, Oaxaca and Chiapas; strong in Veracruz, Tabasco and Campeche and lower intensity in Yucatan and Quintana Roo.

<http://e-oaxaca.com/nota/2014-08-17/clima-y-sismos/pronostico-del-clima-en-mexico-para-lunes-18-de-agosto-del-2014>

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FIGURE A-3

E-CONSULTA WEATHER FORECAST FOR AUGUST 18, 2014 – PG 2

3/13/2018

Weather forecast in Mexico for Monday, August 18, 2014 | e-oaxaca.com | Digital Newspaper of Oaxaca | Mexico 2018 |

Warm air over the northwest, north and northeast of the Mexican Republic, will maintain a heat wave with maximum temperatures that will oscillate between 35 and 45 °C in these regions.

Low pressure zone with 80% probability of cyclonic development in the next 48 hours approximately 920 km south-southwest of Cabo San Lucas, BCS. and Tropical Storm "Karin" 2,120 km west-southwest of Cabo San Lucas, BCS. To see ads

PROGNOSIS BY ZONES

North Pacific: Partly cloudy to cloudy skies, 80% chance of very heavy rain in Sinaloa, strong in Sonora and Baja California Sur. Very hot temperatures. West and southwest wind 20 to 35 km / h with gusts in storm zones.

Pacific Center: Partly cloudy to cloudy skies, 80% chance of heavy rain over most of the region with thunderstorms and hail. Temperate temperatures in the morning and night, and hot during the day. West and southwest wind from 15 to 30 km / h with gusts in storm zones.

South Pacific: Partly cloudy to cloudy skies in the afternoon and evening with 80% probability of locally strong rainfall in Guerrero, Oaxaca and Chiapas. Temperate temperatures in the morning and night and hot during the day. Southwest wind between 20 and 35 km / h with gusts in storm areas.

Gulf of Mexico: Partly cloudy to cloudy in the afternoon with 80% chance of heavy rains in Veracruz and Tabasco, and less intense in the rest of the region. Warm to very hot temperatures. Wind east and southeast from 25 to 40 km / h.

Yucatan Peninsula: Partly cloudy to cloudy skies with 80% chance of heavy rains in Campeche and lower intensity in Yucatan and Quintana Roo. Warm to very hot temperatures. Wind east and northeast at 20 to 35 km / h with gusts.

Mesa del Norte: Partly cloudy to cloudy skies, 80% chance of very heavy showers with thunderstorms in Chihuahua, strong in Durango, Zacatecas and Aguascalientes, and of less intensity in the rest of the region. Temperatures cool to warm in the morning and at night, and very hot during the day. Wind east and southeast at 15 to 30 km / h with gusts in storm zones.

Central Table: Partly cloudy to cloudy sky, 60% chance of very heavy showers with thunderstorms and hail in the State of Mexico and Puebla and forts in Hidalgo, Distrito Federal, Morelos and Tlaxcala. Cool temperatures in the morning and night and warm during the day. Wind east and northeast from 20 to 35 km / h, with gusts in storm zones.

City and State of Mexico: Partly cloudy sky with increased cloudiness in the afternoon and evening, 60% chance of heavy rain with electric shock and hail. Minimum temperature of 12 to 14 °C and maximum of 25 to 27 °C. Wind east and southeast at 20 to 35 km / h.

Report of the main rains and extreme temperatures recorded in the last 24 hours.

Maximum rainfall recorded in millimeters: Topolobampo, Sin., 36.1; Cumbres de Majalca, Chih., 13.0; Finca La Paz, Chis., 11.7; Guanajuato Observatory, Gto., 11.6; El Chico, Hgo., 5.8; Morelos Muzquiz, Coah., 3.8; Observatorio Tepic, Nay., 3.0; Observatorio Zamora, Mich., 2.2 and Islas Marias, Nay., 2.0.

Maximum temperatures recorded in °C: El Barretal II, Tamps., 42.5; Huejutla, Hgo., 39.0; Cd. Valles, SLP, 37.0; Plato Sánchez, Ver., 36.7 and Tacubaya, DF 26.6.

Minimum temperatures recorded in °C: Nado, Mex. 3.0; The Hope, Hgo. 9.0; Tierra Nueva, SLP 11.0 and Tacubaya, DF 13.2

Rainfall forecast for the next 24 hours by states.

Storms of intense to torrential greater than 150 mm: —————

Storms from very strong to intense from 70 to 150 mm: ———

Intervals of showers with very strong storms of 50 to 70 mm: Chihuahua, Sinaloa, Nayarit, Jalisco, Michoacán, Mexico, Puebla, Guerrero, Oaxaca and Chiapas.

Intervals of showers with strong storms of 20 to 50 mm: Baja California Sur, Sonora, Durango, Zacatecas, Aguascalientes, Colima, Guanajuato, Querétaro, Hidalgo, Federal District, Morelos and Tlaxcala.

Intervals of moderate rains with isolated showers of 0 to 20 mm: Baja California, Tamaulipas, San Luis Potosí, Yucatan and Quintana Roo.

 Print version

Poll

Which party do

<http://e-oaxaca.com/nota/2014-08-17/clima-y-sismos/pronostico-del-clima-en-mexico-para-lunes-18-de-agosto-del-2014>

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Figs A-2 and A-3: Are copies of the forecast for August 18, 2014 issued by e-Consulta. Page one (1) provides data information for the forecast including information for Baja California North and South. The highlighted sections of page two provide specific information for areas such as Baja California. Source: <http://e-oaxaca.com/nota/2014-08-17/clima-y-sismos/pronostico-del-clima-en-mexico-para-lunes-18-de-agosto-del-2014>


FIGURE A-4
WEATHER BRIEFING NATIONAL WEATHER SERVICE

NATIONAL WEATHER SERVICE

PHOENIX, AZ FORECAST OFFICE

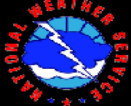
WEATHER BRIEFING





Issued: Sunday, Aug 17, 2014 3 pm MST/PDT

Valid: Through Late Monday, Aug 18, 2014



Synopsis: A return of deeper monsoon moisture and more favorable upper level support will work back into AZ from the south-southeast overnight and into early Monday. In addition, an early-season upper level low will develop over the CA coast providing additional upper level storm support. This atmospheric pattern is setting the stage for another stretch of active weather days – with the potential for widespread showers and thunderstorms capable of producing very heavy rainfall and flash flooding through at least the early work week.


Timing: Increased storm coverage beginning Monday afternoon/evening with continued storm chances during the day Tuesday.

Hazards/Impacts:


- Widespread showers and thunderstorm activity, with moderate to heavy rainfall potential. Heavy storm rainfall will possible of generating flash flooding along with wet microbursts.
- Areas that have seen active monsoon storm/rainfall periods over the last two weeks or so will be quicker to respond to storm runoff.
- Localized flooding of area washes, low-lying areas and engineered urban surfaces.
- Strong wind gusts, in excess of 50mph with the stronger storms

Forecaster Confidence:


- **High** for increased areal coverage of storms for Monday afternoon/evening
- **Moderate** for timing of the heaviest shower and thunderstorm activity
- Low for the evolution of the forecast beyond early Wednesday




[Click here for Graphical Hazards Viewer](#)




**24/7 Decision Support
Hotline 602-275-7003**



Chat








Fig A-4: Is a copy of the Weather Briefing issued by the Phoenix NWS office on August 17, 2014

FIGURE A-5
AIR QUALITY ALERT FOR NILAND AUGUST 18, 2014

Imperial Valley Air Quality Alert

Niland - English Road

Monday, August 18 - 9:00 AM
 PM10 (24-hr average) AQI reached 121 - **Unhealthy for Sensitive Groups**

PM10 AQI 101-150 People with respiratory or heart disease, the elderly, and children are the groups most at risk, especially when they are physically active. There is an increased likelihood of respiratory symptoms in sensitive individuals, and aggravation of heart or lung disease and premature mortality in persons with cardiopulmonary disease and the elderly. U.S. EPA cautions that "people with heart or lung disease, older adults, and children should reduce prolonged or heavy exertion." 'Prolonged' generally means four or more hours with short rest periods. 'Heavy exertion' is that which would increase the resting breathing rate four fold or greater. You can reduce exposure to particulate material by: - Reducing the intensity and duration of your outdoor activities - Postponing outdoor activities to days when particulate levels are lower

Current Maximum AQI for Other Imperial Valley Cities

Brawley - 220 Main Street: **Moderate** (PM10)
 Calexico - Ethel Street: **Moderate** (PM2.5)
 El Centro - 9th Street: **Good** (Ozone)

This notification was issued by the Imperial Valley Air Pollution Control District. Visit <http://www.imperialvalleyair.org> for current readings, ozone movies, and additional air quality information.
 All observational data on this web site are not verified or validated and should be considered preliminary. From time to time error codes are included into the calculations for the AQI – for verification please contact the Air District office.
 To change your AirAlert subscription, go to <http://www.imperialvalleyair.org/airalert.cfm>
 For more information on how the AQI is calculated, visit [Air Now](#).

Fig A-5: Is a copy of the Air Quality issued to subscribers of the www.imperialvalleyair.org site

FIGURE A-6
IMPERIAL COUNTY DAILY WEATHER AND AG BURNING INFORMATION

Imperial County Air Pollution Control District
Daily Weather and Ag. Burning Information

Date: Monday August 18 2014

Yesterday's Weather Observations at Imperial Airport (ASOS) FAA/NWS

LOCAL TIME	TEMP °F	WINDS MILES PER HOUR	VISIBILITY MILES
7 AM	85	CALM	10
8 AM	91	CALM	10
9 AM	94	WNW 7	10
10 AM	99	NW 7	10
11 AM	102	W 7	10
NOON	104	CALM	10
1 PM	106	VRBL	10
2 PM	109	ESE 8	10
3 PM	110	ESE 8	10
4 PM	111	ESE 12	10
5 PM	110	CALM	10
6 PM	110	CALM	10
7 PM	109	SE 6	10

Max. Temperature yesterday was 111 degrees

Today's Mt. Signal Visibility at 7:30 AM YES NKX 12Z 500 MB Height _____
1Y7 12Z 500 MB Height _____

Forecasts
High Today 108

	Local Forecast (Issued 8 AM Local)	Computer Forecast (RUC 40KM 12Z)
Est. Time Mixing Height reaches 3000 feet	<u>N/A</u>	<u>11:00</u>
Forecast of Maximum Mixing Height	<u>N/A</u> feet	<u>7,200</u> feet
Forecast for Morning surface winds	<u>S 15-25 G40</u> mph	<u>S 15-25 G40</u> mph
Forecast for afternoon surface winds	<u>S 15-25 G40</u> mph	<u>S 15-25 G40</u> mph
Forecast for evening surface winds	<u>SW 10-20</u> mph	
Forecast 10 AM - 3 PM transport winds	<u>S 10</u> mph	

Comments/Complaints: _____

Burn Hours N/A ARB No Burn Day _____ District called No Burn Day YES

Total actually burned today _____ acres Crops burned _____

IMPERIAL COUNTY AIR POLLUTION CONTROL DISTRICT 2011 Int MC

Fig A-6: A copy of the Imperial County Air Pollution Control District official record of the conditions as they existed for a determination of a "No Burn" day on August 18, 2014

FIGURE A-7
IMPERIAL COUNTY AFFIDAVIT 30 DAY PUBLIC NOTICE

AFFIDAVIT OF PUBLICATION
(2015.5 C.C.P.)

STATE OF CALIFORNIA

County of Imperial

I am a resident of the County aforesaid; I am over the age of eighteen years, and not a party to or interested in the above entitled matter. I am the principal clerk* of the printer of the

Imperial Valley Press

a newspaper of general circulation, printed and published daily in the City of El Centro, County of Imperial and which newspaper has been adjudged a newspaper of general circulation by the Superior Court of the County of Imperial, State of California, under the date of October 9, 1951, Case Number 26775; that the notice, of which the annexed is a printed copy, has been published in each regular and entire issue of said newspaper and not in any supplement thereof on the following dates, to-wit:

04/20 .

all in the year 2018

I certify (or declare) under penalty of perjury that the foregoing is true and correct.



 SIGNATURE

Name of Account: I C AIR POLLUTION
 CONTROL
 Order Number: 11171755
 Ad Number: 31397051

* Printer, Foreman of the Printer, or Principal Clerk of the Printer

Date: 20 th day of April, 2018.
 at El Centro, California.

This space is for the County Clerk's
 Filling Stamp:

RECEIVED
APR 23 2018
AIR POLLUTION
CONTROL DISTRICT

Proof of Publication of:

**NOTICE OF AVAILABILITY
 OF THE DEMONSTRATION OF THE OCCURRENCE
 OF SEVEN EXCEPTIONAL EVENTS (EE)**

The Imperial County Air Pollution Control District (Air District) has prepared seven Draft Exceptional Event (EE) Demonstrations, which support the requested exclusion of measured 24-hour concentrations at the Air District air monitoring sites. Listed below by date, site and concentration as measured by a Federal Reference Method monitor (FRM) or with a continuous Federal Equivalent Method monitor (FEM) are the seven Draft EE's.

2014				2015			
August 18				September 14			
Niland	FEM	162	ug/m3	Brawley FEM	168	ug/m3	
October 31 - November 1				October 01			
Niland	FEM	181	ug/m3	Niland	FEM 171	ug/m3	
Brawley	FRM	471	ug/m3	October 04			
Westmorland	FRM	404	ug/m3	Brawley FEM	166	ug/m3	
Niland	FRM	173	ug/m3	Westmorland	FEM 250	ug/m3	
Niland	FEM	219	ug/m3	December 26			
November 16				Westmorland	FRM 165	ug/m3	
Brawley	FEM	210	ug/m3	Westmorland	FEM 198	ug/m3	
Niland	FEM	249	ug/m3				

The public and all interested parties are encouraged to review and comment on the seven Draft EE's listed above. These demonstrations provide the supporting evidence that on the days indicated for 2014 and 2015 Air District air monitors were affected by entrained elevated levels of particulate matter of an aerodynamic size less than 10 microns (PM10). Winds, associated with a weather event entrained PM10 into the region affecting areas within San Diego, Riverside, Yuma and Imperial counties. The seven Draft EE's provide the scientific justification for the requested exclusions. The Air District is soliciting and accepting comments for 30 days commencing the date of the publication of this notice. The final closing date for submitting comments is May 21, 2018 by close of business.

The seven Draft EE's for days listed above are available for download at the Air District website at www.co.imperial.ca.us, under "Air Pollution". To view a hard copy of any of the eight Draft EE's, please visit the Air Pollution Control District office at 150 S. 9th Street, El Centro. Should you have any questions or concerns please feel free to call our office between 8am and 5pm at (442) 265-1800 and ask for Monica N. Soucier.

L926 A20

Fig A-7: Is a copy of the Imperial County Air Pollution Control District official record (affidavit) affirming the publication of the notice of availability of the Exceptional Events Demonstration for August 18, 2014. The date for closing comments was May 21, 2018.

FIGURE A-8
IMPERIAL COUNTY
COMMENTS REGARDING THE AUGUST 18, 2014 EE DEMONSTRATION

The ICAPCD did not receive any comments

NWS INDEX

TYPE	DATE	TIME		AGENCY	DESCRIPTION	PAGE
Area Forecast Discussion	8/15/2014	2130	PDT	San Diego	High pressure aloft continues with its axis east-west just north of the US-Mexico border. The high will drift a little east early next week as an upper low develops along the northern/central California coast.	77
Area Forecast Discussion	8/16/2014	400	PDT	San Diego	A low-pressure system will develop near the Northern California coast then move southward along the coast through mid-week. The workstation WRF shows the weak coastal eddy continuing for Monday night into Tuesday morning bringing deepening of the marine layer.	79
Area Forecast Discussion	8/16/2014	945	PDT	San Diego	An upper level low will develop along the northern California coast on Monday before digging south along the coast through midweek. As a result, a gradual cooling trend will develop across the southland as onshore flow returns	81
Area Forecast Discussion	8/16/2014	1350	PDT	San Diego	An upper level low will develop along the northern California coast on Monday before digging south along the coast through midweek. As a result, a gradual cooling trend will develop across the southland as onshore flow returns	83
Area Forecast Discussion	8/16/2014	2043	PDT	San Diego	As the trough continues to deepen along the northern California coast an upper low develops and moves south into a position southwest of Point Conception by late Wednesday. This would bring plentiful moisture up from the south for Thursday into Friday	85
Area Forecast Discussion	8/17/2014	305	MST	Phoenix	All taking a rather vigorous early-season upper low center southward along the California coast and shifting the main upper high center eastward from Arizona into Texas which allow the flow aloft to become more southerly allowing a considerable amount of moisture that is now over northern Mexico to be drawn northward into Arizona	88

TYPE	DATE	TIME	AGENCY	DESCRIPTION	PAGE
Area Forecast Discussion	8/17/2014	450	PDT	San Diego	90
Area Forecast Discussion	8/17/2014	450	PDT	San Diego	90
Area Forecast Discussion	8/17/2014	940	PDT	San Diego	92
Area Forecast Discussion	8/17/2014	1330	PDT	San Diego	94

TYPE	DATE	TIME		AGENCY	DESCRIPTION	PAGE
Hazardous Weather Outlook	8/17/2014	1314	MST	Phoenix	The combination of a rather strong upper level low center (for mid-August) approaching from the northwest and increasing moisture from the south will lead to a rising threat of afternoon and evening thunderstorms for Monday and Tuesday. Strong gusty winds, heavy rain and localized flooding are the primary weather hazards associated with any storm that develops.	97
Special Weather Statement	8/17/2014	1421	MST	Phoenix	At 419 PM MST the public reported a strong thunderstorm 12 miles southeast of Kofa Wildlife refuge. This storm was nearly stationary. Wind gusts up to 50 mph are expected with this storm along with heavy rain	98
Area Forecast Discussion	8/17/2014	2058	PDT	San Diego	A closed upper low will drop south along the California coast Monday night and Tuesday.	99
Area Forecast Discussion	8/17/2014	2058	PDT	San Diego	A closed upper low will drop south along the California coast Monday night and Tuesday.	101
Urgent Weather Message	8/17/2014	2151	MST	Phoenix	Blowing dust advisory remain in effect until 11 PM MST this evening for TACNA and WELLTON	103
Special Weather Statement	8/17/2014	2308	MST	Phoenix	At 1106 pm MST NWS meteorologist detected strong winds ahead of thunderstorms along a line extending from 19 miles east of YUMA PROVING GROUND to 7 miles northwest of TYSON to 11 miles south of MOHAWK and moving west at 25mph	104
Short Term Forecast	8/18/2014	302	MST	Phoenix	Gusty east to southeast thunderstorm outflow winds will affect much of Imperial County including Imperial and El Centro through 5 am this morning. Wind speeds from 20 to over 40 mph are likely and they will lead to patchy blowing dust and sand. Visibility may lower to below 2 miles at times and will create hazardous driving conditions especially for motorist on interstate 8 west of Yuma.	105

TYPE	DATE	TIME	AGENCY	DESCRIPTION	PAGE	
Hazardous Weather Outlook	8/18/2014	321	MST	Phoenix	The combination of a rather strong upper level low center (for mid-August) approaching from the northwest and increasing moisture from the south will lead to a rising threat of afternoon and evening Thunderstorms for today and tonight.	106
Area Forecast Discussion	8/18/2014	340	PDT	San Diego	Outflow from thunderstorms over southwestern Arizona overnight has been moving across the lower deserts of southern California the past few hours reaching the deserts of San Diego County and the southern Coachella Valley around 3 AM with gusty east to southeast winds. The outflow has generated blowing dust and sand in upstream areas.	107
Area Forecast Discussion	8/18/2014	520	MST	Phoenix	Both the GFS and EURO are tracking a rather vigorous upper low center southward along the California coast during this period with increasing southerly to southwesterly flow ahead of this low center pulling additional moisture northward into the region. A reflection of this moisture a very large thunderstorm complex can be seen on IR and water vapor imagery this morning over extreme northwest Sonora Mexico just south of the international border.	110
Area Forecast Discussion	8/18/2014	920	PDT	San Diego	Several mesoscale convective systems over southwest Arizona and northern Mexico have produced outflow boundaries bringing an influx of low-level moisture into the deserts and mountains.	112
Area Forecast Discussion	8/18/2014	1400	PDT	San Diego	The low-level moisture that surged westward from Arizona and northern Mexico has resulted in isolated thunderstorms developing over our local mountains. The thunderstorms should continue to develop and collapse in a normal cycle until this evening when daytime heating is lost.	115

TYPE	DATE	TIME		AGENCY	DESCRIPTION	PAGE
Flood Advisory	8/18/2014	1414	PDT	San Diego	At 210 pm PDT radar indicates a persistent area of thunderstorms in the area just east of lake Hemet California. The thunderstorms are almost stationary but are slowly developing to the southeast.	117
Flood Advisory	8/18/2014	1444	PDT	San Diego	AT 238 PM PDT radar is indicating a nearly stationary thunderstorm near Onyx Peak near California route 38	118
Flood Advisory	8/18/2014	1547	PDT	San Diego	The urban and small stream flood advisory has been cancelled for south central Riverside County	119
Flood Advisory	8/18/2014	1558	PDT	San Diego	At 358 PM PDT radar indicates the thunderstorms near Onyx Peak are ending.	120
Flood Advisory	8/18/2014	1744	PDT	San Diego	The urban and small stream flood advisory will expire at 545 pm PDT for south central San Bernardino County	121
Area Forecast Discussion	8/18/2014	2103	PDT	San Diego	A quick surge of monsoonal moisture brought higher humidity and a few thunderstorms to the mountains and deserts today. Drier and slightly less humid conditions are expected for Tuesday with monsoonal moisture shifting to the east as westerly flow develops in the mid-levels ahead of trough propagating down the west coast.	122

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734
FXUS66 KSGX 160440
AFDSGX

AREA FORECAST DISCUSSION
NATIONAL WEATHER SERVICE SAN DIEGO CA
930 PM PDT FRI AUG 15 2014

.SYNOPSIS...

HIGH PRESSURE ALOFT WILL CONTINUE THROUGH THIS WEEKEND AND BRING FAIR AND WITH HOT WEATHER INLAND AND WARM WEATHER NEAR THE COAST. ONLY PATCHY NIGHT AND MORNING LOW CLOUDS AND FOG WILL OCCUR NEAR THE COAST. TEMPERATURES WILL LOWER A FEW DEGREES EARLY NEXT WEEK WITH MORE EXTENSIVE NIGHT AND MORNING LOW CLOUDS AS A LOW PRESSURE SYSTEM APPROACHES FROM THE NORTHWEST. SOME CLOUDS WILL DEVELOP DURING THE AFTERNOONS OVER THE MOUNTAINS AT TIMES.

&&

.DISCUSSION...FOR EXTREME SOUTHWESTERN CALIFORNIA INCLUDING ORANGE... SAN DIEGO...WESTERN RIVERSIDE AND SOUTHWESTERN SAN BERNARDINO COUNTIES...

CUMULUS FORMED OVER THE MOUNTAINS AND SOME LOWER DESERTS THIS AFTERNOON...AND THUNDERSTORMS WERE NOT FAR TO THE SOUTHEAST...OVER NORTHERN BAJA CALIFORNIA AND EVEN SOUTHWESTERN IMPERIAL COUNTY. SKIES WERE CLEAR THIS EVENING. INVERSION WAS ONLY SLIGHTLY STRONGER AS ACARS SOUNDINGS FROM LINDBERGH FIELD SHOWED ABOUT A 4-5 DEG C INVERSION WHICH WAS ALMOST SURFACE BASED. NOT MUCH STRATUS WILL FORM TONIGHT...AND THE LOCAL WRF SHOWS STRATUS BEEN RATHER PALTRY AGAIN SATURDAY NIGHT. MEANWHILE...SOME MONSOONAL MOISTURE IS OVER OUR AREA AS 00Z NKX SOUNDING HAD 1.37 INCHES OF PRECIPITABLE WATER BUT WITH A CAP AROUND 650 MB KEEPING A LID ON THE CONVECTION OVER SAN DIEGO COUNTY. THE MODELS HAVE A SLIGHT DECREASE IN PW VALUES OVER THE WEEKEND...SO THUNDERSTORMS MOST LIKELY WILL NOT FORM OVER SAN DIEGO OR RIVERSIDE COUNTIES...THOUGH THEY WILL LIKELY FORM AGAIN SOUTH OF THE BORDER OVER NORTHERN BAJA CALIFORNIA. HOT WEATHER...A FEW DEGREES ABOVE SEASONAL NORMS...WILL OCCUR AGAIN SATURDAY AS 850 MB TEMPS NUDGE UP ANOTHER 1-2 DEG C...WITH LITTLE CHANGE FOR SUNDAY.

HIGH PRESSURE ALOFT CONTINUES WITH ITS AXIS EAST-WEST JUST NORTH OF THE US-MEXICO BORDER. THE HIGH WILL DRIFT A LITTLE EAST EARLY NEXT WEEK AS AN UPPER LOW DEVELOPS ALONG THE NORTHERN/CENTRAL CALIFORNIA COAST. MODELS ARE INCONSISTENT WITH THE POSITION OF THE LOW AFTER ABOUT TUESDAY AS THE LOW WILL MOSTLY BE CLOSED...WITH SOLUTIONS IN THE ENSEMBLES AND DETERMINISTIC RUNS SHOWING THE LOW ANYWHERE FROM SO-CAL TO ABOUT 1000 MI OFF THE COAST. FOR NOW...WE WILL GO WITH SOME COOLING AND WITH NO THUNDERSTORM ACTIVITY AS MOISTURE MAINLY STAYS JUST TO THE SOUTH AND EAST.

&&

.AVIATION...

160300Z...COAST/VALLEYS...MOSTLY CLEAR SKIES THROUGH TONIGHT.
HOWEVER...SOME PATCHY STRATUS WILL REDEVELOP OVER THE COASTAL WATERS
AND PUSH UP TO 5 MILES INLAND BETWEEN 16/0900-1500Z. THIS THIN LAYER
OF LOW CLOUDS WILL MAINLY AFFECT COASTAL PORTIONS OF SAN DIEGO
COUNTY. BASES 800-1000 FT MSL AND TOPS 1200 FT MSL. LOW CLOUDS WILL
ERODE TO THE COAST BY 16/1500Z. SKC CONDS THROUGH THE AFTERNOON. A
MARINE LAYER EVEN MORE SHALLOW AND PATCHY THAN TONIGHTS MAY PUSH UP
TO 5 MILES INLAND LATE SAT NIGHT INTO SUNDAY MORNING.

MTNS/DESERTS...CLEAR WITH UNRESTRICTED VISIBILITY THROUGH SAT
EVENING.

&&

.MARINE...

830 PM...NO HAZARDOUS MARINE WEATHER IS EXPECTED THROUGH WEDNESDAY.

&&

.BEACHES...

830 PM...A LONG-PERIOD SOUTH SWELL OF 2 TO 3 FEET WITH A PERIOD OF
13-18 SECONDS WILL RESULT IN ELEVATED SURF AND STRONG RIP CURRENTS
FOR THE ORANGE AND SAN DIEGO COUNTY BEACHES THROUGH SUNDAY. A BEACH
HAZARDS STATEMENT IS NOW IN EFFECT THROUGH SUNDAY EVENING. HIGHEST
SURF WILL BE ON SOUTH-FACING BEACHES OF ORANGE COUNTY AND NORTH OF
ENCINITAS IN SAN DIEGO COUNTY. SAN DIEGO COUNTY BEACHES WILL ALSO
EXPERIENCE STRONG LONG-SHORE CURRENTS. THE SWELL PERIOD SLOWLY
DECREASES AFTER SUNDAY...DECREASING SURF HEIGHTS. HOWEVER THE SWELL
WILL STILL BE ELEVATED...CONTINUING THE THREAT OF STRONG RIP
CURRENTS THROUGH MONDAY OR TUESDAY.

&&

.SKYWARN...

SPOTTER ACTIVATION WILL NOT BE NEEDED TONIGHT.

&&

.SGX WATCHES/WARNINGS/ADVISORIES...

CA...BEACH HAZARDS STATEMENT THROUGH SUNDAY EVENING FOR THE ORANGE
COUNTY COASTAL AREAS...SAN DIEGO COUNTY COASTAL AREAS.

PZ...NONE.

&&

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PUBLIC...MAXWELL

AVIATION/MARINE...JT

159
FXUS66 KSGX 161055
AFDSGX

AREA FORECAST DISCUSSION
NATIONAL WEATHER SERVICE SAN DIEGO CA
400 AM PDT SAT AUG 16 2014

.SYNOPSIS...

FOR THE WEEKEND...HIGH PRESSURE CENTERED OVER ARIZONA WILL BRING DRY WEATHER WITH SEASONAL TEMPERATURES. FOR EARLY NEXT WEEK...A LOW PRESSURE SYSTEM WILL DEVELOP OFF THE NORTHERN CALIFORNIA COAST...THEN MOVE SLOWLY SOUTHWARD ALONG THE CALIFORNIA COAST THROUGH MID WEEK. THIS WILL BRING SLOW DEEPENING OF THE MARINE LAYER WITH MORE NIGHT AND MORNING COASTAL LOW CLOUDS AND PATCHY FOG AND SLIGHT COOLING WEST OF THE MOUNTAINS. THAT LOW PRESSURE SYSTEM COULD BRING SOME MID LEVEL MOISTURE AND CLOUDS NORTHWARD ACROSS THE AREA FOR THE LATTER HALF OF NEXT WEEK.

&&

.DISCUSSION...FOR EXTREME SOUTHWESTERN CALIFORNIA INCLUDING ORANGE... SAN DIEGO...WESTERN RIVERSIDE AND SOUTHWESTERN SAN BERNARDINO COUNTIES...

.SHORT TERM (TODAY THROUGH MONDAY)...

HIGH PRESSURE CENTERED OVER ARIZONA WILL BRING FAIR DRY WEATHER THROUGH MONDAY. FOR FAR INLAND AREAS...HIGH TEMPERATURES WILL REMAIN NEAR SEASONAL LEVELS. WEST OF THE MOUNTAINS THERE WILL BE SLOW COOLING. THE WORKSTATION WRF CONTINUES TO SHOW ONLY VERY PATCHY COVERAGE OF NIGHT AND MORNING COASTAL LOW CLOUDS AND FOG THROUGH THE WEEKEND. THE WORKSTATION WRF DEVELOPS A WEAK COASTAL EDDY SUNDAY NIGHT. THIS COULD BRING A GREATER RETURN OF COASTAL STRATUS SUNDAY NIGHT INTO MONDAY MORNING WITH SLOW DEEPENING OF THE MARINE LAYER.

&&

.LONG TERM (TUESDAY THROUGH FRIDAY)...

A LOW PRESSURE SYSTEM WILL DEVELOP NEAR THE NORTHERN CALIFORNIA COAST...THEN MOVE SOUTHWARD ALONG THE COAST THROUGH MID WEEK. THE WORKSTATION WRF SHOWS THE WEAK COASTAL EDDY CONTINUING FOR MONDAY NIGHT INTO TUESDAY MORNING BRINGING DEEPENING OF THE MARINE LAYER SUFFICIENT FOR COASTAL LOW CLOUDS AND PATCHY FOG TO REACH PORTIONS OF THE INLAND VALLEYS. THIS WILL CONTINUE THE SLOW COOLING IN THE VALLEYS AND BRING SLOW COOLING TO THE MOUNTAINS AND DESERTS. AFTER WEDNESDAY...GLOBAL MODELS CONTINUE TO DIFFER ON THE PLACEMENT OF THIS LOW PRESSURE SYSTEM FOR THE LATTER PART OF WEEK. IF THIS LOW PRESSURE SYSTEM REMAINS JUST OFF THE CENTRAL CALIFORNIA COAST... THERE IS SOME POTENTIAL FOR MID LEVEL MOISTURE AND CLOUDS TO BE DRAWN NORTHWARD ACROSS THE AREA.

&&

.AVIATION...

160920Z...COAST/VALLEYS...A SMALL PATCH OF LOW CLOUDS HAS DEVELOPED OFF THE SOUTHERN SAN DIEGO COUNTY COAST...BUT SHOULD NOT REACH KSAN THIS MORNING. OTHERWISE...CLEAR WITH UNRESTRICTED VIS THROUGH SUN MORNING. PATCHY STRATUS WITH BASES 500-800 FT MSL MAY DEVELOP OVER THE COASTAL WATERS AFTER 17/08Z...BUT CONFIDENCE IN CIGS AT THE COASTAL AIRPORTS IS LOW.

MTNS/DESERTS...A FEW CU WITH BASES NEAR 8000 FT MSL MAY DEVELOP OVER THE MTN RIDGES THIS AFTERNOON AND DISSIPATE BY SUNSET. OTHERWISE CLEAR WITH UNRESTRICTED VISIBILITY THROUGH SUN MORNING.

&&

.MARINE...

230 AM...NO HAZARDOUS MARINE WEATHER IS EXPECTED THROUGH WEDNESDAY.

&&

.BEACHES...

A 2-3 FOOT LONG-PERIOD SOUTHWEST SWELL WILL GENERATE ELEVATED SURF AND STRONG RIP CURRENTS FOR THE ORANGE AND SAN DIEGO COUNTY BEACHES THROUGH SUNDAY. HIGHEST SURF WILL BE ON SOUTHWEST-FACING BEACHES OF ORANGE COUNTY AND NORTH OF ENCINITAS IN SAN DIEGO COUNTY. A BEACH HAZARDS STATEMENT IN EFFECT THROUGH SUNDAY EVENING. SWELL AND SURF WILL BEGIN TO SUBSIDE MONDAY...THOUGH STRONG RIP CURRENTS WILL LIKELY PERSIST INTO TUESDAY.

&&

.SKYWARN...

SKYWARN ACTIVATION IS NOT REQUESTED. HOWEVER WEATHER SPOTTERS ARE ENCOURAGED TO REPORT SIGNIFICANT WEATHER CONDITIONS.

&&

.SGX WATCHES/WARNINGS/ADVISORIES...

CA...BEACH HAZARDS STATEMENT THROUGH SUNDAY EVENING FOR ORANGE COUNTY COASTAL AREAS...SAN DIEGO COUNTY COASTAL AREAS.

PZ...NONE.

&&

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PUBLIC...17

AVIATION/MARINE...SS

188
FXUS66 KSGX 161646
AFDSGX

AREA FORECAST DISCUSSION
NATIONAL WEATHER SERVICE SAN DIEGO CA
945 AM PDT SAT AUG 16 2014

.SYNOPSIS...

HIGH PRESSURE WILL REMAIN OVER THE DESERT SOUTHWEST THIS WEEKEND...BRINGING DRY AND WARMER CONDITIONS TO THE REGION. A TROUGH OF LOW PRESSURE WILL DEVELOP OFF THE NORTHERN CALIFORNIA COAST ON MONDAY...DIGGING SOUTH ALONG THE COAST THROUGH MIDWEEK BEFORE RETROGRADING OFF THE SOUTHERN CALIFORNIA COAST BY FRIDAY. AS A RESULT...A GRADUAL COOLING TREND WILL DEVELOP...WITH THE MARINE LAYER DEEPENING A BIT EACH NIGHT. THIS LOW PRESSURE SYSTEM COULD BRING SOME MID LEVEL MOISTURE AND CLOUDS NORTHWARD ACROSS THE AREA FOR THE LATTER HALF OF NEXT WEEK.

&&

.DISCUSSION...FOR EXTREME SOUTHWESTERN CALIFORNIA INCLUDING ORANGE... SAN DIEGO...WESTERN RIVERSIDE AND SOUTHWESTERN SAN BERNARDINO COUNTIES...

WATER VAPOR IMAGERY SHOWS HIGH PRESSURE CENTERED OVER NORTHERN ARIZONA THIS MORNING...WITH CLEAR AND SUNNY SKIES PREVAILING ACROSS THE REGION. EVEN THE MARINE LAYER IS WELL OUT OVER THE BIGHT. AS A RESULT...TEMPERATURES THIS MORNING ARE RUNNING SIMILAR TO OR A FEW DEGREES WARMER THAN THIS TIME YESTERDAY. THE 12Z KNKX SOUNDING SHOWS UP TO 3 DEGREES OF WARMING NEAR THE SURFACE...850 MB TEMPERATURES ALSO WARM A COUPLE OF DEGREES OVER THOSE OF YESTERDAY. FOR THIS REASON...UPDATED THE FORECAST THIS MORNING TO REFLECT THIS TREND...ESPECIALLY FOR THE COASTAL AREAS. OTHERWISE...EXPECT MORE OF THE SAME FOR TOMORROW...AS THIS RIDGE REMAINS IN PLACE...AND A VERY PATCHY REMAIN LAYER PREVAILS.

AN UPPER LEVEL LOW WILL DEVELOP ALONG THE NORTHERN CALIFORNIA COAST ON MONDAY...BEFORE DIGGING SOUTH ALONG THE COAST THROUGH MIDWEEK. AS A RESULT...A GRADUAL COOLING TREND WILL DEVELOP ACROSS THE SOUTHLAND...AS ONSHORE FLOW RETURNS. THE LOCAL WRF ALSO SHOWS AN EDDY DEVELOPING OVER THE BIGHT SUNDAY NIGHT...WHICH WILL ALSO HELP THE MARINE LAYER REFORM AND DEEPEN. THEREFORE...EXPECT THE MARINE LAYER TO REDEVELOP SUNDAY NIGHT AND TO BECOME MORE WIDESPREAD EACH NIGHT THERE AFTER...PUSHING INTO THE INLAND VALLEYS BY MIDWEEK.

THE MODELS ARE SHOWING THAT THIS UPPER LEVEL LOW WILL RETROGRADE OFF THE SOUTHERN CALIFORNIA COAST LATE IN THE WORK WEEK. AS THIS UPPER LEVEL RETROGRADES...THE MODELS ARE HINTING AT SOME SUBTROPICAL MOISTURE BEING PULLED NORTHWARD POSSIBLY BY WEDNESDAY...BUT MORE LIKELY ON THURSDAY. UNFORTUNATELY...THE MODELS SHOW THE BRUNT OF THE MOISTURE REMAINING WEST OF OUR AREA AT THIS TIME...FAVORING THE

COASTAL WATERS SAY AREAS EAST OF LOS ANGELES COUNTY. FOR THIS REASON...CONFIDENCE IS LOW THAT WE WOULD SEE MUCH MORE THAN SOME MID AND HIGH LEVEL CLOUDS. HOWEVER...IF LATER RUNS SHIFT THIS LOW A LITTLE MORE EASTWARD... THEN IT COULD BE EAST ENOUGH THAT SOME PRECIPITATION MAY BE POSSIBLE ONCE AGAIN. FOR NOW...WILL JUST WAIT AND SEE WHAT THE REST OF THE 12Z RUNS SHOW TODAY.

&&

.AVIATION...

161530Z...COAST/VALLEYS...VERY LITTLE SIGN OF ANY LOW CLOUDS THIS MORNING...NOT AFFECTING ANY AIRPORTS. CLEAR WITH UNRESTRICTED VIS THROUGH SUN AFTERNOON. PATCHY STRATUS WITH BASES 500-800 FT MSL MAY DEVELOP OVER THE COASTAL WATERS AFTER 17/08Z...BUT CONFIDENCE IN ANY CIGS AT THE COASTAL AIRPORTS IS LOW.

MTNS/DESERTS...A FEW CU WITH BASES NEAR 8000 FT MSL MAY DEVELOP OVER THE MTN RIDGES THIS AFTERNOON BUT DISSIPATE BY SUNSET. OTHERWISE CLEAR WITH UNRESTRICTED VISIBILITY THROUGH SUN MORNING.

&&

.MARINE...

830 AM...NO HAZARDOUS MARINE WEATHER IS EXPECTED THROUGH WEDNESDAY.

&&

.SKYWARN...

SKYWARN ACTIVATION IS NOT REQUESTED. HOWEVER WEATHER SPOTTERS ARE ENCOURAGED TO REPORT SIGNIFICANT WEATHER CONDITIONS.

&&

.SGX WATCHES/WARNINGS/ADVISORIES...

CA...BEACH HAZARDS STATEMENT THROUGH SUNDAY EVENING FOR THE BEACHES IN THE ORANGE COUNTY COASTAL AREAS...SAN DIEGO COUNTY COASTAL AREAS.

PZ...NONE.

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PUBLIC...PALMER

AVIATION/MARINE...TS

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481
FXUS66 KSGX 162050
AFDSGX

AREA FORECAST DISCUSSION
NATIONAL WEATHER SERVICE SAN DIEGO CA
150 PM PDT SAT AUG 16 2014

.SYNOPSIS...

HIGH PRESSURE WILL REMAIN OVER THE DESERT SOUTHWEST...BRINGING DRY AND WARMER CONDITIONS TO SOUTHERN CALIFORNIA THROUGH SUNDAY. A TROUGH OF LOW PRESSURE WILL THEN DEVELOP OFF THE NORTHERN CALIFORNIA COAST ON MONDAY...DIGGING SOUTH ALONG THE COAST THROUGH MIDWEEK BEFORE RETROGRADING OFF THE SOUTHERN CALIFORNIA COAST BY FRIDAY. AS A RESULT...A COOLING TREND WILL DEVELOP...WITH THE MARINE LAYER DEEPENING A BIT EACH NIGHT. THIS LOW PRESSURE SYSTEM COULD BRING SOME MID LEVEL MOISTURE AND CLOUDS NORTHWARD ACROSS THE AREA FOR THE LATTER HALF OF NEXT WEEK...AND POTENTIALLY SOME UNSETTLED WEATHER.

&&

.DISCUSSION...FOR EXTREME SOUTHWESTERN CALIFORNIA INCLUDING ORANGE... SAN DIEGO...WESTERN RIVERSIDE AND SOUTHWESTERN SAN BERNARDINO COUNTIES...

WATER VAPOR IMAGERY CONTINUES TO SHOW HIGH PRESSURE CENTERED OVER NORTHERN ARIZONA THIS AFTERNOON...WITH PREDOMINATELY SUNNY SKIES PREVAILING ACROSS THE REGION. ALTHOUGH THERE ARE SOME CUMULUS OVER THE MOUNTAINS...THEY ARE FLAT WITH LITTLE CHANCE OF ADDITIONAL DEVELOPMENT. TEMPERATURES AT THIS TIME ARE RUNNING UP TO 4 DEGREES WARMER THAN THIS TIME YESTERDAY...SO EXPECT ANOTHER WARM EVENING TO ENJOY. THESE WARM CONDITIONS WILL CONTINUE TO PREVAIL INTO SUNDAY AS WELL...AS HIGH PRESSURE REMAINS IN PLACE OVER THE REGION. THE ONLY EXCEPTION MAY BE ALONG THE IMMEDIATE COAST...WHERE THE LOCAL WRF TRIES TO REDEVELOP THE MARINE STRATUS TONIGHT. AT THIS POINT IN TIME...EXPECT THE LOW CLOUDS TO REMAIN PATCHY AT BEST...BUT THERE SHOULD BE ENOUGH MARINE AIR TO MODERATE TEMPERATURES ALONG THE COAST A BIT.

AN UPPER LEVEL LOW WILL THEN DEVELOP ALONG THE NORTHERN CALIFORNIA COAST ON MONDAY...BEFORE DIGGING SOUTH ALONG THE COAST THROUGH MIDWEEK. AS A RESULT...A GRADUAL COOLING TREND WILL DEVELOP ACROSS THE SOUTHLAND...AS ONSHORE FLOW RETURNS. THE LOCAL WRF ALSO SHOWS AN EDDY DEVELOPING OVER THE BIGHT SUNDAY NIGHT...WHICH WILL ALSO HELP THE MARINE LAYER REFORM AND DEEPEN. THEREFORE...EXPECT THE MARINE LAYER TO REDEVELOP SUNDAY NIGHT AND TO BECOME MORE WIDESPREAD EACH NIGHT THERE AFTER...PUSHING INTO THE INLAND VALLEYS BY MIDWEEK.

THE MODELS ARE STARTING TO DIVERGE A BIT FOR LATE IN THE WEEK. AT THIS POINT IN TIME...THE GFS...GFS ENSEMBLE...THE GEM...AND THE 00Z ECMWF WERE ALL IN GOOD AGREEMENT...SHOWING THAT THIS UPPER LEVEL LOW

WILL RETROGRADE OFF THE SOUTHERN CALIFORNIA COAST LATE IN THE WORK WEEK. AS THIS UPPER LEVEL RETROGRADES...THE MODELS HINT AT SOME SUBTROPICAL MOISTURE BEING PULLED NORTHWARD BY THURSDAY. THIS COULD BRING SOME UNSETTLED WEATHER TO SOUTHERN CALIFORNIA FOR THURSDAY AND FRIDAY. UNFORTUNATELY...THE 12Z ECMWF NOW TAKES THIS LOW INLAND ACROSS SOUTHERN CALIFORNIA...KEEPING ANY CHANCE OF SHOWERS WELL TO OUR EAST. FOR NOW...THINK A SLIGHT CHANCE IS WARRANTED ACROSS THE REGION...BUT IT WILL DEPEND ON THE TRACK OF THIS LOW.

&&

.AVIATION...

162000Z...COAST/VALLEYS...PATCHY STRATUS WITH BASES 500-800 FT MSL MAY DEVELOP OVER THE COASTAL WATERS AFTER 17/08Z...BUT CONFIDENCE IN ANY CIGS AT THE COASTAL AIRPORTS IS LOW. OTHERWISE...CLEAR WITH UNRESTRICTED VIS THROUGH SUNDAY AFTERNOON.

MTNS/DESERTS...A FEW CU WITH BASES NEAR 8000 FT MSL OVER THE MTN RIDGES THIS AFTERNOON BUT WILL DISSIPATE BY SUNSET. OTHERWISE CLEAR WITH UNRESTRICTED VISIBILITY THROUGH SUN AFTERNOON.

&&

.MARINE...

100 PM...NO HAZARDOUS MARINE WEATHER IS EXPECTED THROUGH THURSDAY.

&&

.SKYWARN...

SKYWARN ACTIVATION IS NOT REQUESTED. HOWEVER WEATHER SPOTTERS ARE ENCOURAGED TO REPORT SIGNIFICANT WEATHER CONDITIONS.

&&

.SGX WATCHES/WARNINGS/ADVISORIES...

CA...BEACH HAZARDS STATEMENT THROUGH SUNDAY EVENING FOR THE BEACHES IN THE ORANGE COUNTY COASTAL AREAS...SAN DIEGO COUNTY COASTAL AREAS.

PZ...NONE.

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PUBLIC...PALMER

AVIATION/MARINE...TS

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589
FXUS66 KSGX 170343
AFDSGX

AREA FORECAST DISCUSSION
NATIONAL WEATHER SERVICE SAN DIEGO CA
843 PM PDT SAT AUG 16 2014

.SYNOPSIS...

HIGH PRESSURE WILL REMAIN OVER THE SOUTHWEST...BRINGING DRY AND SEASONALLY HOT CONDITIONS TO SOUTHERN CALIFORNIA THROUGH SUNDAY. A TROUGH OF LOW PRESSURE WILL THEN DEVELOP OFF THE NORTHERN CALIFORNIA COAST ON MONDAY...DIGGING SOUTH ALONG THE COAST THROUGH MID-WEEK...BEFORE RETROGRADING OFF THE SOUTHERN CALIFORNIA COAST BY FRIDAY. AS A RESULT...A COOLING TREND WILL DEVELOP...WITH THE MARINE LAYER DEEPENING A BIT EACH NIGHT. THIS LOW PRESSURE SYSTEM COULD BRING SOME MID LEVEL MOISTURE AND CLOUDS NORTHWARD ACROSS THE AREA FOR THE LATTER HALF OF NEXT WEEK...AND POSSIBLY BRINGING SOME PRECIPITATION.

&&

.DISCUSSION...FOR EXTREME SOUTHWESTERN CALIFORNIA INCLUDING ORANGE... SAN DIEGO...WESTERN RIVERSIDE AND SOUTHWESTERN SAN BERNARDINO COUNTIES...

IT WAS A TYPICALLY TOASTY SUMMER DAY IN SOUTHERN CALIFORNIA TODAY...AS WATER VAPOR IMAGERY CONTINUES TO SHOW A WEST-TO-EAST ORIENTED RIDGE OVER THE REGION WITH A TROUGH OFF THE COAST OF NORTHERN CALIFORNIA. DAY-TIME HIGHS WERE IN THE 98-102 RANGE IN THE INLAND EMPIRE...109-110 IN THE COACHELLA VALLEY...95-101 IN THE UPPER DESERTS...103-107 IN THE SAN DIEGO DESERTS...AND 90S IN THE SAN DIEGO VALLEYS AND INLAND ORANGE COUNTY. LINDBERGH FIELD ENDED UP REACHING A HIGH OF 82 DEGREES. THE HOTTEST DAY SHOULD BE TOMORROW...AS MODELS ARE IN CONSENSUS WITH RAISING 850 MB TEMPERATURES BY 1-2 DEGREES TOMORROW...SO HAVE SLIGHTLY INCREASED THE OVERNIGHT LOW TEMPERATURES FORECAST FOR TONIGHT AND THE DAY-TIME HIGH TEMPERATURE FORECAST FOR TOMORROW. STILL...IT WILL NOT BE ABNORMALLY HOT...AS THESE TEMPERATURES WILL BE NEAR TO ONLY 5 DEGREES ABOVE NORMAL FOR THIS TIME OF YEAR.

THE 00Z MIRAMAR SOUNDING SHOWS DRYING...WITH ONLY 0.90 INCHES OF PRECIPITABLE WATER...COMPARED TO 1.21 INCHES AT 12Z THIS MORNING. THUS...ALTHOUGH WE HAD SOME CUMULUS DEVELOP ALONG THE MOUNTAINS...NONE DEVELOPED INTO SHOWERS OR THUNDERSTORMS. MEANWHILE...GIVEN THAT THE MARINE LAYER STRATUS WAS MOSTLY ABSENT AGAIN THIS MORNING...AND THAT FOG SATELLITE SHOWS NO STRATUS OVER THE AREA UNTIL YOU REACH AS FAR WEST AS POINT CONCEPTION...AND ALSO THAT 500 MB HEIGHTS AND ONSHORE FLOW WILL NOT BE MUCH DIFFERENT TONIGHT COMPARED TO LAST NIGHT...EXPECT ONLY A PATCH OR TWO OF STRATUS MAKING IT INTO THE COASTAL AREAS INTO TOMORROW MORNING.

LOCAL WRF INDICATES BETTER AND DEEPER STRATUS COVERAGE FOR TOMORROW NIGHT/MONDAY MORNING THE AFOREMENTIONED TROUGH STARTS TO DEEPEN ALONG THE WEST COAST...AND A COASTAL EDDY POSSIBLY DEVELOPS. FOR MONDAY MORNING INTO MONDAY AFTERNOON...THE NAM SHOWS A WEAK WAVE WITH ASSOCIATED 700-500 MB MOISTURE MOVING THROUGH THE AREA AS IT TURNS THE CORNER AROUND THE WEAKENING RIDGE. THE GEM ALSO SHOWS THIS WAVE. HOWEVER...WITH A FAIRLY SIGNIFICANT DRY LAYER BELOW 700 MB WITH THE PASSAGE OF THIS WAVE AND NOT MUCH IN THE WAY OF ELEVATED INSTABILITY...THE BEST INSTABILITY STAYS JUST TO THE EAST OF OUR AREA...SUSPECT THAT IF THE WAVE WOULD BRING VIRGA...SPRINKLES OR VERY LIGHT SHOWERS AT BEST.

AS THE TROUGH CONTINUES TO DEEPEN ALONG THE NORTHERN CALIFORNIA COAST...AN UPPER LOW DEVELOPS...AND MOVES SOUTH INTO A POSITION SOUTHWEST OF POINT CONCEPTION BY LATE WEDNESDAY...ACCORDING TO THE 18Z GFS AND 12Z GFS ENSEMBLE. THIS WOULD BRING PLENTIFUL MOISTURE UP FROM THE SOUTH FOR THURSDAY INTO FRIDAY...RESULTING IN POSSIBLE SHOWERS AND THUNDERSTORMS FOR ALL AREAS. HOWEVER...THE 12Z ECMWF HAS THE TROUGH MOVING INLAND INTO SOUTHERN CALIFORNIA LATE WEDNESDAY...STALLING OVER THE AREA ON THURSDAY...AND MOVING TO THE EAST BY EARLY FRIDAY. THIS SOLUTION WOULD KEEP PRECIPITATION TO THE EAST OF US. FOR NOW...A SLIGHT CHANCE OF SHOWERS AND THUNDERSTORMS REMAINS IN THE FORECAST FOR THURSDAY AFTERNOON THROUGH FRIDAY EVENING FOR MOST AREAS.

WITH THE TROUGH DEEPENING OVER THE AREA STARTING MONDAY...THE MARINE LAYER WILL DEEPEN AS WELL...LIKELY MOVING DEEP INTO THE VALLEYS BY TUESDAY MORNING. EXPECT NIGHT AND MORNING STRATUS TO CONTINUE TO MOVE INTO THE VALLEYS THROUGH THURSDAY MORNING. ALSO...THE TROUGH WILL BRING A COOLING TREND AS WELL MONDAY THROUGH AT LEAST WEDNESDAY.

&&

.AVIATION...

170330Z...COAST/VALLEYS...PATCHY STRATUS WITH BASES 800-1000 FT MSL AND TOPS 1100 FT MSL MAY DEVELOP OVER THE COASTAL WATERS BETWEEN 17/1000Z-1500Z AND PUSH INLAND A COUPLE MILES FROM THE BEACH. HOWEVER...NOT EXPECTING THIS TO BE A BKN/OVC CLOUD DECK AND DID NOT INCLUDE A CEILING AT KSNA...KCRQ...OR KSAN. OTHERWISE...PARTLY CLOUDY WITH UNRESTRICTED VIS THROUGH SUNDAY AFTERNOON. A MORE PRONOUNCED LOW CLOUD DECK WITH BASES AND TOPS A FEW HUNDRED FEET HIGHER MAY AFFECT THE COASTAL AIRPORTS AFT 18/0900Z SUNDAY NIGHT.

MTNS/DESERTS...A FEW CU WITH BASES NEAR 8000 FT MSL OVER THE MTN RIDGES WITH PASSING HIGH CLOUDS DURING SUNDAY AFTERNOON. OTHERWISE CLEAR WITH UNRESTRICTED VISIBILITY.

&&

.MARINE...

830 PM...NO HAZARDOUS MARINE WEATHER IS EXPECTED THROUGH THURSDAY.

&&

.BEACHES...

830 PM...A 2-3 FOOT LONG-PERIOD SOUTHWEST SWELL WILL CONTINUE TO GENERATE ELEVATED SURF AND STRONG RIP CURRENTS FOR THE ORANGE AND SAN DIEGO COUNTY BEACHES THROUGH SUNDAY. HIGHEST SURF WILL BE ON SOUTHWEST-FACING BEACHES OF ORANGE COUNTY AND NORTH OF ENCINITAS IN SAN DIEGO COUNTY. A BEACH HAZARDS STATEMENT IN EFFECT THROUGH SUNDAY EVENING. SWELL AND SURF WILL BEGIN TO SUBSIDE MONDAY...THOUGH STRONG RIP CURRENTS WILL LIKELY PERSIST INTO TUESDAY.

&&

.SKYWARN...

SPOTTER ACTIVATION WILL NOT BE NEEDED TODAY.

&&

.SGX WATCHES/WARNINGS/ADVISORIES...

CA...BEACH HAZARDS STATEMENT THROUGH SUNDAY EVENING FOR THE BEACHES IN THE ORANGE COUNTY COASTAL AREAS...SAN DIEGO COUNTY COASTAL AREAS.

PZ...NONE.

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PUBLIC...HARRISON
AVIATION/MARINE...JT

IOWA STATE UNIVERSITY

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425
FXUS65 KPSR 171005
AFDPSR

AREA FORECAST DISCUSSION
NATIONAL WEATHER SERVICE PHOENIX AZ
305 AM MST SUN AUG 17 2014

.SYNOPSIS...
ISOLATED SHOWERS AND THUNDERSTORMS WILL...ONCE AGAIN BE POSSIBLE
ACROSS THE REGION ON SUNDAY AS MONSOON MOISTURE BEGINS TO SLOWLY
INCREASE ACROSS THE REGION. ON MONDAY...AN EARLY SEASON PACIFIC LOW
PRESSURE SYSTEM WILL APPROACH THE AREA AND WILL DRAW EVEN MORE
MONSOON MOISTURE NORTHWARD BACK INTO THE REGION. MORE WIDESPREAD
SHOWER AND THUNDERSTORM ACTIVITY IS EXPECTED IN ARIZONA FROM LATE
MONDAY THROUGH WEDNESDAY...WITH LESSER CHANCES FOR RAINFALL
FORECAAST THROUGH THE REMAINDER OF THE UPCOMING WORKWEEK.

&&

.DISCUSSION...
SUNDAY...
IT APPEARS THAT ONE MORE DAY OF LOW-GRADE MONSOON ACTIVITY IS IN
STORE FOR SOUTH-CENTRAL ARIZONA...MAINLY FOE THE HIGHER TERRAIN
NORTH AND EAST OF PHOENIX...AS HIGH PRESSURE ALOFT WILL ONCE AGAIN
LIMIT STORM DEVELOPMENT...WITH GUSTY WINDS AND BRIEF HEAVY DOWNPOURS
LIKELY FROM THE STRONGER STORMS.

MONDAY AND TUESDAY...
MODEL AGREEMENT CONTINUES TO IMPROVE FOR THIS PERIOD...ALL TAKING A
RATHER VIGOROUS EARLY-SEASON UPPER LOW CENTER SOUTHWARD ALONG THE CA
COAST AND SHIFTING THE MAIN UPPER HIGH CENTER EASTWARD FROM AZ INTO
TX...WHICH ALLOWS THE FLOW ALOFT TO BECOME MORE SOUTHERLY...ALLOWING
A CONSIDERABLE AMOUNT OF MOISTURE THAT IS NOW OVER NORTHERN MEXICO
TO BE DRAWN NORTHWARD INTO AZ. THE COMBINATION OF THIS
MOISTURE...ALONG WITH FAVORABLE UPPER-LEVEL DIFLUENT FLOW IS
EXPECTED TO RESULT IN A SUBSTANTIAL INCREASE IN THUNDERSTORM
ACTIVITY FROM LATE MONDAY INTO TUESDAY...ESPECIALLY ACROSS SW AND
SOUTH-CENTRAL AZ. IT APPEARS THAT SE CA'S CHANCES FOR THUNDERSTORMS
WILL BE FAR LESS...DUE TO THE AFOREMENTIONED UPPER LOW SPREADING
MUCH DRIER AIR INTO THE REGION. THE MAIN IMPACTS FROM THUNDERSTORMS
DURING THIS PERIOD WILL BE LOCALLY HEAVY RAIN AND WET
MICROBURSTS...DUE TO THE VERY MOIST ENVIRONMENT IN THE LOWER LEVELS
OF THE ATMOSPHERE THAT IS FORECAST TO DEVELOP OVER THE REGION. THE
ONLY LIMITING FACTOR FOR WIDESPREAD THUNDERSTORM DEVELOPMENT MAY BE
THE FACT THAT SOUTHWESTERLY FLOW ALOFT IS FORECAST TO DEVELOP OVER
THE REGION AHEAD OF THIS UPPER LOW CENTER...WHICH IS GENERALLY LESS
FAVORABLE FOR THUNDERSTORM DEVELOPMENT OVER THE LOWER DESERTS DURING
THE MONSOON SEASON THAN DURING PERIODS OF EASTERLY FLOW ALOFT.

WEDNESDAY AND THURSDAY...
FORECAST CONFIDENCE REALLY BREAKS DOWN DURING THIS PERIOD...FALLING
INTO THE MUCH-BELOW AVERAGE RANGE. THIS IS DUE TO THE FACT
THAT...WHILE THE GFS NOW BRINGS ANOTHER...EVEN LARGER SLUG OF
MOISTURE NORTHWARD INTO THE REGION FROM A DYING TROPICAL CYCLONE
THAT IS FORECAST TO DEVELOP WELL SOUTH OF BAJA AS THE MAIN UPPER LOW
SWINGS SLOWLY NORTHEASTWARD INTO NORTHERN AZ...THE EURO...ON THE
OTHER HAND...RETROGRADES THIS SAME UPPER LOW FAR OFF TO OUR
WEST...BACK OVER THE EASTERN PACIFIC...AND KEEPS ANY TROPICAL
MOISTURE WELL OFF TO OUR SOUTHWEST...AS IT REBUILDS THE MAIN UPPER
RIDGE BACK OVER THE DESERT SOUTHWEST...WHICH IS A MUCH DRIER SOLN
THAN THE GFS. GIVEN ALL THESE MODEL UNCERTAINTIES...WHICH IS
COMPOUNDED FURTHER BY POOR RUN-TO-RUN CONSISTENCY BY BOTH THE EURO
AND GFS...AND A VERY WIDE SPREAD AMONG THE GFS ENSEMBLE
MEMBERS...HAVE DECIDED TO LEAN THE FORECAST FOR THIS PERIOD TOWARDS
THE DRIER EURO...WHICH CLIMATOLOGICALLY IS THE MORE LIKELY SOLN FOR
MID-AUGUST AROUND HERE.

FRIDAY THROUGH SUNDAY...
GIVEN THE FACT THAT BOTH THE GFS AND EURO AND NOW BOTH A FAIRLY
MAJOR LOW-WAVE TROF (FOR MID-AUG) SOUTHWARD INTO THE WESTERN CONUS
DURING THIS PERIOD...WHICH TYPICALLY MEANS A REDUCTION OF MONSOON
ACTIVITY AS THIS TROF USUALLY KEEPS THE MAIN MONSOON PLUME WELL OFF
TO OUR SOUTH AND EAST...HAVE DECIDED TO GO WITH SLIGHTLY BELOW CLIMO
POPS ACROSS THE REGION...AND NEAR-NORMAL TEMPS FOR NOW.

&&

.AVIATION...

August 18, 2014 Exceptional Event, Imperial County

Appendix A

SOUTH-CENTRAL ARIZONA INCLUDING KPHX...KIWA...KSDL...
CONVECTION HAS LARGELY DIED OFF THIS EVENING AND NO STORMS ARE
EXPECTED AT ANY OF THE PHOENIX TERMINALS OVERNIGHT. THERE IS A
CHANCE THAT AN OUTFLOW BOUNDARY WILL PUSH THROUGH KIWA AFTER 06Z
TONIGHT BUT THIS WOULD BE ALMOST COINCIDENT WITH THE USUAL DIURNAL
EASTERLY PUSH...THUS NO MAJOR IMPACTS EXPECTED. DISTANT MOUNTAIN
CONVECTION POSSIBLE AGAIN ON SUNDAY...MUCH LIKE TODAY OUTFLOWS WOULD
BE THE PRIMARY THREAT.

SOUTHWEST ARIZONA AND SOUTHEAST CALIFORNIA INCLUDING KIPL AND KBLH...
CONVECTION HAS DISSIPATED ACROSS THE MOUNTAINS/DESERTS AND BOTH SE
CA TERMINALS SHOULD REMAIN DRY FOR THE REST OF THE OVERNIGHT HOURS.
WINDS WILL FOLLOW THEIR TYPICAL DIURNAL PATTERNS. SLIGHTLY HIGHER
CHANCES FOR STORMS ON SUNDAY ALTHOUGH CONFIDENCE WAY TOO LOW TO
INTRODUCE INTO THE TAFS THIS FAR IN ADVANCE.

AVIATION DISCUSSION NOT UPDATED FOR AMENDED TAFS.

&&

.FIRE WEATHER...
TUESDAY THROUGH SATURDAY...
AREA OF LOW PRESSURE WILL CONTINUE TO DEVELOP DOWN OVER THE SOUTHERN
CA COAST AS THE UPPER RIDGE CENTER DRIFTS TO THE EAST...MAINTAINING
DEEP AND VERY MOIST SOUTHERLY FLOW INTO AZ AND TO A LESSER EXTENT
SOUTHEAST CA. WITH THE MOISTURE INCREASE AND POTENTIAL FOR
ADDITIONAL UPPER LEVEL SUPPORT FROM THE WEST COAST
LOW...THUNDERSTORM ACTIVITY IS LIKELY TO BECOME WIDESPREAD IN
COVERAGE AND STRONG IN INTENSITY FOR TUESDAY AND POSSIBLY INTO
WEDNESDAY. SOME UNCERTAINTY LINGERS WHAT INFLUENCE THE UPPER LOW
WILL HAVE OVER SOUTHEAST CA...WHERE DRIER AIR COULD WORK INTO THE
AREA AND KEEP STORM ACTIVITY MOSTLY ALONG AND EAST OF THE COLORADO
RIVER VALLEY. ADDITIONAL STORM ACTIVITY TUESDAY INTO WEDNESDAY WILL
BE CAPABLE OF PRODUCING STRONG GUSTY WINDS AND HEAVY
RAINFALL...ESPECIALLY FROM MARICOPA COUNTY EASTWARD. A SLOW DRYING
TREND IS POSSIBLE FROM WEDNESDAY ONWARD INTO FRIDAY AS THE FLOW
ALOFT BECOMES MORE WESTERLY. SOME FORECAST MODEL DISCREPANCIES
REMAIN...SO THE FIRE DISTRICTS COULD REMAIN UNDER A MORE MOIST AND
STORMY WEATHER REGIME. AFTERNOON RELATIVE HUMIDITIES ARE EXPECTED TO
MAINLY FALL INTO THE 15-35 PERCENT RANGE OVER THE LOWER DESERTS FROM
TUESDAY AND WEDNESDAY...THEN FALL INTO THE 15-25 PERCENT RANGE ON
THURSDAY AND FRIDAY WITH GOOD TO EXCELLENT OVERNIGHT RECOVERIES EACH
DAY. TEMPERATURES WILL REMAIN NEAR OR SLIGHTLY BELOW SEASONAL
NORMALS AND WINDS MAINLY FOLLOWING TYPICAL DIURNAL TRENDS THROUGH
THE FORECAST PERIOD.

&&

.PSR WATCHES/WARNINGS/ADVISORIES...

AZ...NONE.

CA...NONE.

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VISIT US ON FACEBOOK...TWITTER...AND AT WEATHER.GOV/PHOENIX

DISCUSSION...PERCHA
AVIATION...LEINS
FIRE WEATHER...NOLTE

┌
866
FXUS66 KSGX 171148
AFDSGX

AREA FORECAST DISCUSSION
NATIONAL WEATHER SERVICE SAN DIEGO CA
450 AM PDT SUN AUG 17 2014

.SYNOPSIS...

A LOW PRESSURE SYSTEM OFF THE PACIFIC NORTHWEST AND NORTHERN CALIFORNIA COAST WILL MOVE SLOWLY SOUTHWARD MOVING TO NEAR SOUTHERN CALIFORNIA TUESDAY NIGHT AND WEDNESDAY. THIS WILL BRING A COOLING TREND FOR MONDAY THROUGH WEDNESDAY...A RETURN AND DEEPENING OF THE MARINE LAYER WITH MORE NIGHT AND MORNING COASTAL LOW CLOUDS AND FOG...AND DRY SOUTHWEST FLOW ALOFT. THIS LOW PRESSURE SYSTEM WILL WEAKEN LATE IN THE WEEK WITH HIGH PRESSURE OVER THE SOUTHWEST STATES EXPANDING INTO SOUTHERN CALIFORNIA NEXT WEEKEND. THIS WILL BRING A WARMING TREND TOWARD THE END OF THE WEEK ALONG WITH A SHALLOWER MARINE LAYER.

&&

.DISCUSSION...FOR EXTREME SOUTHWESTERN CALIFORNIA INCLUDING ORANGE... SAN DIEGO...WESTERN RIVERSIDE AND SOUTHWESTERN SAN BERNARDINO COUNTIES...

A LOW PRESSURE SYSTEM TO THE NORTH OFF THE PACIFIC NORTHWEST AND NORTHERN CALIFORNIA COAST WILL MOVE SLOWLY SOUTHWARD...MOVING TO NEAR SOUTHERN CALIFORNIA TUESDAY NIGHT AND WEDNESDAY. THIS WILL BRING A COOLING TREND FOR MONDAY THROUGH WEDNESDAY.

COASTAL STRATUS IS ONCE AGAIN EXTREMELY PATCHY EARLY THIS MORNING...AS EXPECTED. THE WORKSTATION WRF CONTINUES TO SHOW A WEAK COASTAL EDDY DEVELOPING TONIGHT AND CONTINUING INTO TUESDAY. THIS IS EXPECTED TO BRING GREATER COVERAGE OF LOW CLOUDS FOR TONIGHT INTO MONDAY MORNING WITH DEEPENING OF THE MARINE LAYER ALLOWING LOW CLOUDS AND PATCHY FOG TO EXTEND INLAND INTO LOWER PORTIONS OF THE INLAND VALLEYS MONDAY NIGHT INTO TUESDAY MORNING...AND FARTHER INTO THE INLAND VALLEYS FOR TUESDAY NIGHT INTO WEDNESDAY.

MID LEVEL MONSOONAL MOISTURE FROM ARIZONA WILL MOSTLY REMAIN EAST OF THE MOUNTAINS THROUGH MONDAY...BEFORE BEING SWEEPED FURTHER EAST TUESDAY AND WEDNESDAY AS SOUTHWEST FLOW ALOFT STRENGTHENS FROM THE APPROACHING THROUGH OF LOW PRESSURE. THE HANDLING OF THIS MOISTURE BY THE ECMWF AND GFS IS PREFERRED OVER THAT OF THE NAM. THIS COULD BRING A FEW CLOUDS TO THE MOUNTAINS THIS AFTERNOON AND A FEW MORE CLOUDS ON MONDAY AFTERNOON.

WITH SOUTHWEST FLOW ALOFT AND STRONGER ONSHORE FLOW...THERE WILL BE GUSTY SOUTHWEST TO WEST WINDS IN THE MOUNTAINS AND DESERTS FOR LATE AFTERNOON THROUGH LATE AT NIGHT FOR THE MOUNTAINS AND DESERTS FOR MONDAY AND TUESDAY.

FOR THURSDAY AND FRIDAY...THERE CONTINUES TO BE GREATER MODEL SPREAD AND CONTINUING RUN TO RUN DIFFERENCES FOR EACH MODEL IN THE HANDLING OF THE LOW PRESSURE SYSTEM NEAR SOUTHERN CALIFORNIA WEDNESDAY. THE GENERAL CONSENSUS...TO THE EXTENT THERE IS ONE...IS THAT LOW PRESSURE TROUGHING IN THE VICINITY OF SOUTHERN CALIFORNIA WILL SLOWLY WEAKEN. OCCASIONAL MODEL RUNS CONTINUE TO SHOW THE POTENTIAL FOR SOME MID LEVEL TROPICAL MOISTURE TO BE DRAWN NORTHWARD TOWARD CALIFORNIA. HOWEVER...THESE CONTINUE TO BE LOW PROBABILITY OUTLIER SOLUTIONS WITH IT MORE LIKELY THAT ANY TROPICAL MOISTURE WILL REMAIN WELL SOUTH OF THE AREA.

THIS WEAKENING TROUGH SCENARIO WOULD BRING SLOW WARMING AND A LITTLE SHALLOWER MARINE LAYER FOR THURSDAY AND FRIDAY.

FOR NEXT WEEKEND...HIGH PRESSURE OVER THE SOUTHWEST STATES WILL EXPAND WESTWARD BRINGING A WARMING TREND AND SHALLOWER MARINE LAYER.

&&

.AVIATION...

170935Z...COAST/VALLEYS...CLEAR WITH UNRESTRICTED VIS THROUGH THIS EVENING. STRATUS WITH BASES 800-1000 FT MSL REDEVELOPING OVER THE COASTAL WATERS AFTER 18/00Z...REACHING THE COASTAL AIRPORTS AFTER 18/08Z AND SPREADING 15 SM INLAND OVERNIGHT. 3-5 SM VIS IN BR...LOCALLY 2SM OR LESS...WHERE STRATUS NEARS HIGHER COASTAL TERRAIN MON MORNING.

MTNS/DESERTS...A FEW CU WITH BASES NEAR 8000 FT MSL OVER THE MTN RIDGES THIS AFTERNOON. OTHERWISE CLEAR WITH UNRESTRICTED VISIBILITY THROUGH MON MORNING.

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.MARINE...

230 AM...NO HAZARDOUS MARINE WEATHER IS EXPECTED THROUGH THURSDAY.

&&

.BEACHES...

230 AM...A 2 FOOT MODERATE PERIOD SOUTHWEST SWELL WILL CONTINUE TO GENERATE ELEVATED SURF AND STRONG RIP CURRENTS FOR THE ORANGE AND SAN DIEGO COUNTY BEACHES TODAY. HIGHEST SURF WILL BE ON SOUTHWEST-FACING BEACHES OF ORANGE COUNTY AND NORTH OF ENCINITAS IN SAN DIEGO COUNTY. A BEACH HAZARDS STATEMENT IN EFFECT THROUGH THIS EVENING. SWELL AND SURF WILL BEGIN TO SUBSIDE MONDAY...THOUGH STRONG RIP CURRENTS WILL LIKELY PERSIST INTO TUESDAY.

&&

.SGX WATCHES/WARNINGS/ADVISORIES...

CA...BEACH HAZARDS STATEMENT THROUGH THIS EVENING FOR ORANGE COUNTY COASTAL AREAS...SAN DIEGO COUNTY COASTAL AREAS.

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FXUS66 KSGX 171638

AFDSGX

AREA FORECAST DISCUSSION

NATIONAL WEATHER SERVICE SAN DIEGO CA

940 AM PDT SUN AUG 17 2014

.SYNOPSIS...

HIGH PRESSURE WILL REMAIN IN PLACE TODAY...WITH WARM AND SUNNY CONDITIONS PREVAILING. HOWEVER...AN AREA OF LOW PRESSURE OVER WESTERN WASHINGTON STATE WILL SLOWLY MOVE SOUTHWARD ALONG THE WEST COAST THIS WEEK...WITH COOLER CONDITIONS DEVELOPING FOR THE WORK WEEK. THE MARINE LAYER WILL RETURN AND DEEPEN AS WELL...WITH NIGHT AND MORNING COASTAL LOW CLOUDS AND FOG BECOMING MORE WIDESPREAD EACH NIGHT. THIS LOW PRESSURE SYSTEM WILL WEAKEN LATE IN THE WEEK...ALLOWING HIGH PRESSURE TO EXPAND BACK ACROSS SOUTHERN CALIFORNIA FROM THE DESERT SOUTHWEST NEXT WEEKEND. THIS WILL BRING A WARMING TREND TOWARD THE END OF THE WEEK ALONG WITH A SHALLOWER MARINE LAYER.

&&

.DISCUSSION...FOR EXTREME SOUTHWESTERN CALIFORNIA INCLUDING ORANGE... SAN DIEGO...WESTERN RIVERSIDE AND SOUTHWESTERN SAN BERNARDINO COUNTIES...

WATER VAPOR IMAGERY SHOWS HIGH PRESSURE STILL CENTERED OVER NORTHERN ARIZONA THIS MORNING...WITH THE RIDGE AXIS EXTENDING ACROSS SOUTHERN CALIFORNIA. AS A RESULT...SKIES ARE CLEAR AGAIN THIS MORNING. THE ONLY REAL DIFFERENCE IS A FEW MORE LOW CLOUDS ALONG THE IMMEDIATE COAST AND OVER THE COASTAL WATERS...WITH TEMPERATURES RUNNING SIMILAR TO OR SLIGHTLY COOLER THAN THIS TIME YESTERDAY. THE 12Z SOUNDING SHOWS SOME MINOR COOLING RIGHT ABOVE THE SURFACE...THANKS TO THIS SHALLOW MARINE LAYER. THIS SHOULD HELP MODERATE TEMPERATURES ALONG THE IMMEDIATE COAST TODAY. OTHERWISE...INLAND AREAS WILL SEE ANOTHER WARM DAY...WITH TEMPERATURES SIMILAR TO OR SLIGHTLY WARMER THAN THOSE OF YESTERDAY.

THE PATTERN WILL CHANGE THIS WEEK THOUGH...AS AN AREA OF LOW PRESSURE CURRENTLY CENTERED OVER WESTERN WASHINGTON STATE WILL DIG SOUTH ALONG THE WEST COAST THROUGH MIDWEEK. THEREFORE...EXPECT A GRADUAL COOLING TREND TO DEVELOP ACROSS SOUTHERN CALIFORNIA BETWEEN MONDAY AND WEDNESDAY...WITH ONSHORE FLOW RETURNING. THE LOCAL WRF CONTINUES TO SHOW AN EDDY DEVELOPING OVER THE BIGHT TONIGHT...WHICH SHOULD AID IN THE MARINE LAYER RETURN AND DEEPENING THE NEXT SEVERAL NIGHTS. FOR THIS REASON...BELIEVE THAT THE MARINE LAYER WILL BECOME MORE WIDESPREAD EACH NIGHT...AND MAY DEEP ENOUGH FOR SOME DRIZZLE ALONG THE COAST BY TUESDAY MORNING OR EVEN WEDNESDAY MORNING. LOCALLY GUSTY WEST WINDS WILL ALSO DEVELOP IN THE FAVORED PASSES AND CANYONS DURING THE AFTERNOON HOURS AND CONTINUE THROUGH LATE IN THE EVENING.

THE MODELS ARE REALLY STRUGGLING WITH THIS UPPER LEVEL LOW BEYOND WEDNESDAY THOUGH...CHANGING COURSE SOLUTIONS WITH NEARLY EVERY MODEL RUN. WHILE THE 12Z ECMWF FROM YESTERDAY OPENED THIS LOW INTO A WAVE AND QUICKLY MOVED IT ACROSS SOUTHERN CALIFORNIA...THE 00Z RUN LAST NIGHT...ONCE AGAIN SHOWS A LOW CLOSING OFF AND RETROGRADING OFF THE SOUTHERN CALIFORNIA COAST....SIMILAR TO THE 00Z RUN FROM YESTERDAY. THE GFS RUNS SHOW THE EXACT OPPOSITE FROM THE ECMWF...WITH THE RETROGRADING LOW ON THE 12Z RUN FROM YESTERDAY AND NOW SHOWS A PROGRESSIVE TROUGH ON TODAY/S 12Z RUN. THE GEM MAY BE THE ONLY CONSISTENT MODEL...STILL SHOWING THE RETROGRADING LOW...BUT KEEPING IT FARTHER OFF THE COAST. EVEN GIVEN THE LACK OF CONFIDENCE IN WHAT WILL ACTUALLY HAPPEN...ALL THE SOLUTIONS NOW SHOW DRY CONDITIONS PREVAILING THROUGH THE LATTER PART OF THE WORK WEEK. IT ALSO APPEARS AS THOUGH SOME RIDGING WILL ALSO TRY TO EXPAND BACK ACROSS SOUTHERN CALIFORNIA DURING THIS TIME...EITHER AS THE TROUGH PASSES OR THE LOW MOVES OFF THE WEST. THEREFORE...BELIEVE A WARMING TREND WILL DEVELOP...WITH THE MARINE LAYER BECOMING LESS EXTENSIVE EACH NIGHT.

&&

.AVIATION...

171530Z...COAST/VALLEYS...A FEW PATCHES OF STRATUS OVER THE COASTAL WATERS THIS MORNING. OTHERWISE...CLEAR WITH UNRESTRICTED VIS THROUGH THIS EVENING. STRATUS WITH BASES 800-1000 FT MSL REDEVELOPING OVER THE COASTAL WATERS AFTER 18/00Z...REACHING THE COASTAL AIRPORTS AFTER 18/08Z AND SPREADING UP TO 15 SM INLAND OVERNIGHT. 3-5 SM VIS IN BR...LOCALLY 2SM OR LESS...WHERE STRATUS NEARS HIGHER COASTAL TERRAIN MON MORNING. STRATUS AND VIS RESTRICTIONS WILL CLEAR BY 18/17Z MONDAY.

MTNS/DESERTS...A FEW CU WITH BASES NEAR 8000 FT MSL OVER THE MTN RIDGES THIS AFTERNOON. OTHERWISE CLEAR WITH UNRESTRICTED VISIBILITY THROUGH MON MORNING.

&&

.MARINE...

830 AM...NO HAZARDOUS MARINE WEATHER IS EXPECTED THROUGH THURSDAY.

&&

.SKYWARN...

SKYWARN ACTIVATION IS NOT REQUESTED. HOWEVER WEATHER SPOTTERS ARE ENCOURAGED TO REPORT SIGNIFICANT WEATHER CONDITIONS.

&&

.SGX WATCHES/WARNINGS/ADVISORIES...

CA...BEACH HAZARDS STATEMENT UNTIL 8 PM PDT THIS EVENING FOR THE BEACHES IN THE ORANGE COUNTY COASTAL AREAS...SAN DIEGO COUNTY COASTAL AREAS.

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464
FXUS66 KSGX 172030
AFDSGX

AREA FORECAST DISCUSSION
NATIONAL WEATHER SERVICE SAN DIEGO CA
130 PM PDT SUN AUG 17 2014

.SYNOPSIS...

WARM AND SUNNY CONDITIONS WILL PREVAIL THROUGH TODAY...AS HIGH PRESSURE REMAINS IN PLACE. HOWEVER...AN AREA OF LOW PRESSURE OVER WESTERN WASHINGTON STATE WILL MOVE SOUTHWARD ALONG THE WEST COAST THIS WEEK...WITH COOLER CONDITIONS DEVELOPING FOR THE FIRST PART OF THE WORK WEEK. THE MARINE LAYER WILL RETURN AND DEEPEN AS WELL...WITH NIGHT AND MORNING COASTAL LOW CLOUDS AND FOG BECOMING MORE WIDESPREAD EACH NIGHT. THIS LOW PRESSURE SYSTEM WILL WEAKEN LATE IN THE WEEK...ALLOWING HIGH PRESSURE TO EXPAND BACK ACROSS SOUTHERN CALIFORNIA FROM THE DESERT SOUTHWEST NEXT WEEKEND. THIS WILL BRING A WARMING TREND TOWARD THE END OF THE WEEK ALONG WITH A SHALLOWER MARINE LAYER.

&&

.DISCUSSION...FOR EXTREME SOUTHWESTERN CALIFORNIA INCLUDING ORANGE... SAN DIEGO...WESTERN RIVERSIDE AND SOUTHWESTERN SAN BERNARDINO COUNTIES...

WATER VAPOR IMAGERY SHOWS THAT OUR RIDGE OF HIGH PRESSURE OVER NORTHERN ARIZONA IS STARTING TO SHIFT EAST THIS AFTERNOON...AS AN UPPER LEVEL LOW OVER WESTERN WASHINGTON BEGINS TO DIG SOUTHWARD ALONG THE WEST COAST. AS A RESULT...CONDITIONS THIS AFTERNOON ARE VERY SIMILAR TO THOSE OF YESTERDAY...WITH PREDOMINATELY SUNNY SKIES PREVAILING AND TEMPERATURES WITHIN 4 DEGREES OF THIS TIME YESTERDAY. THE COASTAL AREAS ARE THE ONES TRENDING SLIGHTLY COOLER...WHICH IS THANKS TO A SHALLOW MARINE LAYER OVER THE BIGHT. MEANWHILE...INLAND AREAS ARE SIMILAR TO YESTERDAY...WITH WARMER CONDITIONS PREVAILING ACROSS THE MOUNTAINS AND DESERTS. THIS WILL MAKE FOR ONE LAST REALLY WARM...BUT STILL PLEASANT EVENING ACROSS THE SOUTHLAND. THE MARINE LAYER WILL START TO MAKE A COME BACK TONIGHT...AS AN EDDY FORMS OVER THE BIGHT. FOR NOW...THE LOCAL WRF STILL SHOWS IT BEING SOMEWHAT PATCHY...BUT BELIEVE IT WILL BE BETTER ORGANIZED...WITH SOME LOW CLOUDS AND FOG POSSIBLE ALONG THE COAST.

THIS UPPER LEVEL LOW WILL DIG SOUTH ALONG THE WEST COAST FOR THE FIRST PART OF THE WORK WEEK...NEARING POINT CONCEPTION BY TUESDAY AFTERNOON AND FORMING A CUT OFF LOW OVER THE SOUTHERN CALIFORNIA BIGHT ON WEDNESDAY. AS A RESULT...A GRADUAL COOLING TREND WILL DEVELOP THE NEXT SEVERAL DAYS ACROSS SOUTHERN CALIFORNIA...AS THE ONSHORE FLOW RETURNS AND STRENGTHENS. THE LOCAL WRF CONTINUES TO SHOW THE EDDY LINGERING OVER THE BIGHT THE NEXT FEW NIGHTS...WHICH SHOULD AID IN THE MARINE LAYER RETURN AND DEEPENING. FOR THIS REASON...BELIEVE THAT THE MARINE LAYER WILL BECOME MORE WIDESPREAD

EACH NIGHT...PUSHING WELL INTO THE INLAND VALLEYS BY WEDNESDAY MORNING. LOCALLY GUSTY WEST WINDS WILL ALSO DEVELOP IN THE FAVORED PASSES AND CANYONS DURING THE AFTERNOON HOURS AND CONTINUE THROUGH LATE IN THE EVENING.

THE MODELS CONTINUE TO STRUGGLE WITH THE HANDLING OF THIS UPPER LEVEL LOW BEYOND WEDNESDAY THOUGH...CHANGING COURSE SOLUTIONS WITH NEARLY EVERY MODEL RUN. WHILE THE 12Z ECMWF FROM YESTERDAY OPENED THIS LOW INTO A WAVE AND QUICKLY MOVED IT ACROSS SOUTHERN CALIFORNIA...THE 00Z AND LATEST 12Z RUNS...ONCE AGAIN SHOWS A LOW CLOSING OFF AND RETROGRADING OFF THE SOUTHERN CALIFORNIA COAST....SIMILAR TO THE 00Z RUN FROM YESTERDAY...BUT KEEPING IT FARTHER OFFSHORE. THE GFS RUNS SHOW THE EXACT OPPOSITE FROM THE ECMWF...WITH THE RETROGRADING LOW ON THE 12Z RUN FROM YESTERDAY AND NOW SHOWS A PROGRESSIVE TROUGH ON TODAY/S 12Z RUN. THE GEM MAY BE THE ONLY CONSISTENT MODEL...STILL SHOWING THE RETROGRADING LOW...BUT IT ALSO KEEPS THIS LOW FARTHER OFF THE COAST. EVEN GIVEN THE LACK OF CONFIDENCE IN WHAT WILL ACTUALLY HAPPEN...ALL THE SOLUTIONS NOW SHOW DRY CONDITIONS PREVAILING THROUGH THE LATTER PART OF THE WORK WEEK. IT APPEARS THAT SOME WEAK RIDGING WILL TRY TO BUILD BACK ACROSS SOUTHERN CALIFORNIA BY THE WEEKEND...AND THERE ARE SOME HINTS THAT SOME SUBTROPICAL MOISTURE COULD SPREAD BACK INTO THE REGION AT THIS TIME. HOWEVER...GIVEN THE POOR CONSISTENCY WITH THE UPPER LEVEL LOW LATE IN THE WEEK...CONFIDENCE IS QUITE LOW AS TO WHETHER OR NOT THIS MOISTURE WILL ACTUALLY MAKE IT IN HERE...SO WILL KEEP A DRY FORECAST FOR NOW.

&&

.AVIATION...

172015Z...COAST/VALLEYS...CLEAR WITH UNRESTRICTED VIS THROUGH THIS EVENING. STRATUS WITH BASES 700-1000 FT MSL REDEVELOPING OVER THE COASTAL WATERS AFTER 18/00Z...REACHING THE COASTAL AIRPORTS AFTER 18/08Z AND SPREADING UP TO 15 SM INLAND OVERNIGHT. 3-5 SM VIS IN BR...LOCALLY 2SM OR LESS...WHERE STRATUS MEETS HIGHER COASTAL TERRAIN MONDAY MORNING. STRATUS AND VIS RESTRICTIONS WILL CLEAR BY 18/17Z MONDAY.

MTNS/DESERTS...A FEW CU WITH BASES NEAR 8000 FT MSL OVER THE MTN RIDGES THIS AFTERNOON. OTHERWISE CLEAR WITH UNRESTRICTED VISIBILITY THROUGH MON MORNING.

&&

.MARINE...

115 PM...NO HAZARDOUS MARINE WEATHER IS EXPECTED THROUGH THURSDAY.

&&

.BEACHES...

115 PM...A 2 FOOT MODERATE PERIOD SOUTHWEST SWELL WILL CONTINUE TO GENERATE ELEVATED SURF AND STRONG RIP CURRENTS FOR THE ORANGE AND SAN DIEGO COUNTY BEACHES TODAY. HIGHEST SURF WILL BE ON SOUTHWEST-FACING BEACHES OF ORANGE COUNTY AND NORTH OF ENCINITAS IN

SAN DIEGO COUNTY. A BEACH HAZARDS STATEMENT IN EFFECT THROUGH THIS EVENING. SWELL AND SURF WILL BEGIN TO SUBSIDE MONDAY...THOUGH STRONG RIP CURRENTS WILL LIKELY PERSIST INTO TUESDAY.

&&

.SKYWARN...

SKYWARN ACTIVATION IS NOT REQUESTED. HOWEVER WEATHER SPOTTERS ARE ENCOURAGED TO REPORT SIGNIFICANT WEATHER CONDITIONS.

&&

.SGX WATCHES/WARNINGS/ADVISORIES...

CA...BEACH HAZARDS STATEMENT UNTIL 8 PM PDT THIS EVENING FOR THE BEACHES IN THE ORANGE COUNTY COASTAL AREAS...SAN DIEGO COUNTY COASTAL AREAS.

PZ...NONE.

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PUBLIC...PALMER
AVIATION/MARINE...TS

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Facebook

023
FLUS45 KPSR 172214
HWOPSR

HAZARDOUS WEATHER OUTLOOK
NATIONAL WEATHER SERVICE PHOENIX AZ
314 PM MST SUN AUG 17 2014

AZZ021>024-026>028-181500-
WEST CENTRAL DESERTS-NORTHWEST MARICOPA COUNTY-GREATER PHOENIX AREA-
SOUTHERN GILA COUNTY/TONTO NATIONAL FOREST FOOTHILLS-
SOUTHWEST DESERTS-SOUTHWEST MARICOPA COUNTY-
NORTHWEST AND NORTH CENTRAL PINAL COUNTY-
314 PM MST SUN AUG 17 2014

THIS HAZARDOUS WEATHER OUTLOOK IS FOR EAST-CENTRAL ARIZONA...SOUTH-
CENTRAL ARIZONA...SOUTHWEST ARIZONA AND WEST-CENTRAL ARIZONA.

.DAY ONE...THIS AFTERNOON AND TONIGHT.

ANOTHER ROUND OF AFTERNOON AND EVENING MONSOON THUNDERSTORMS ARE
POSSIBLE OVER THE HIGHER TERRAIN AND FOOTHILLS EAST OF THE PHOENIX
METROPOLITAN AREA AS WELL AS THE WESTERN ARIZONA DESERTS.

.DAYS TWO THROUGH SEVEN...MONDAY THROUGH SATURDAY.

THE COMBINATION OF A RATHER STRONG UPPER LEVEL LOW CENTER (FOR MID-
AUGUST) APPROACHING FROM THE NORTHWEST AND INCREASING MOISTURE FROM
THE SOUTH WILL LEAD TO A RISING THREAT OF AFTERNOON AND EVENING
THUNDERSTORMS FOR MONDAY AND TUESDAY. HEAVY RAIN...LOCALIZED
FLOODING AND STRONG GUSTY WINDS ARE THE PRIMARY WEATHER HAZARDS
ASSOCIATED WITH ANY STORM THAT DEVELOPS.

.SPOTTER INFORMATION STATEMENT...

SPOTTER ACTIVATION MAY BE NEEDED FOR MONDAY AND TUESDAY. WEATHER
SPOTTERS ARE ENCOURAGED TO REPORT SIGNIFICANT WEATHER CONDITIONS
ACCORDING TO STANDARD OPERATIONS PROCEDURES.

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AZZ020-025-CAZ031>033-181500-
LOWER COLORADO RIVER VALLEY AZ-YUMA/MARTINEZ LAKE AND VICINITY-
LOWER COLORADO RIVER VALLEY CA-RIVERSIDE COUNTY/EASTERN DESERTS-
IMPERIAL COUNTY-
314 PM MST SUN AUG 17 2014 /314 PM PDT SUN AUG 17 2014/

THIS HAZARDOUS WEATHER OUTLOOK IS FOR EXTREME SOUTHWEST
ARIZONA...EXTREME WEST-CENTRAL ARIZONA AND EXTREME SOUTHEAST
CALIFORNIA.

.DAY ONE...THIS AFTERNOON AND TONIGHT.

NO HAZARDOUS WEATHER IS EXPECTED AT THIS TIME.

.DAYS TWO THROUGH SEVEN...MONDAY THROUGH SATURDAY.

THE COMBINATION OF A RATHER STRONG UPPER LEVEL LOW CENTER (FOR MID-
AUGUST) APPROACHING FROM THE NORTHWEST...AND INCREASING MOISTURE
FROM THE SOUTH WILL LEAD TO A RISING THREAT OF AFTERNOON AND EVENING
THUNDERSTORMS FOR MONDAY AND TUESDAY. STRONG GUSTY WINDS...HEAVY
RAIN...AND LOCALIZED FLOODING ARE THE PRIMARY WEATHER HAZARDS
ASSOCIATED WITH ANY STORM THAT DEVELOPS.

.SPOTTER INFORMATION STATEMENT...

SPOTTER ACTIVATION MAY BE NEEDED FOR MONDAY AND TUESDAY. WEATHER
SPOTTERS ARE ENCOURAGED TO REPORT SIGNIFICANT WEATHER CONDITIONS
ACCORDING TO STANDARD OPERATING PROCEDURES.

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NATIONAL WEATHER SERVICE PHOENIX IS ON THE INTERNET AT
WEATHER.GOV/PHOENIX

National Weather Service Raw Text Product

Displaying AFOS PIL: **SPSPSR** Received: **2014-08-17 23:21 UTC**

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Next in Time →

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105
WMUS85 KPSR 172321
SPSPSR

SPECIAL WEATHER STATEMENT
NATIONAL WEATHER SERVICE PHOENIX AZ
421 PM MST SUN AUG 17 2014

AZZ026-180000-
YUMA AZ-
421 PM MST SUN AUG 17 2014

...SIGNIFICANT WEATHER ADVISORY...

THE NATIONAL WEATHER SERVICE IN PHOENIX HAS ISSUED A

SIGNIFICANT WEATHER ADVISORY FOR...
NORTH CENTRAL YUMA COUNTY IN SOUTHWEST ARIZONA

UNTIL 500 PM MST

AT 419 PM MST...THE PUBLIC REPORTED A STRONG THUNDERSTORM 12 MILES
SOUTHEAST OF KOFA WILDLIFE REFUGE. THIS STORM WAS NEARLY STATIONARY.

WIND GUSTS UP TO 50 MPH ARE EXPECTED WITH THIS STORM...ALONG WITH
HEAVY RAIN.

LOCATIONS IMPACTED INCLUDE...
PALM CANYON...

IF YOU ARE IN THE ADVISORY AREA AND STORMS APPROACH...TAKE SHELTER IN
A STURDY BUILDING.

LAT...LON 3346 11404 3343 11396 3338 11396 3338 11384
3337 11381 3323 11382 3326 11411
TIME...MOT...LOC 2321Z 104DEG 2KT 3334 11390

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WOODALL

Enter search term

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901
FXUS66 KSGX 180358
AFDSGX

AREA FORECAST DISCUSSION
NATIONAL WEATHER SERVICE SAN DIEGO CA
858 PM PDT SUN AUG 17 2014

.SYNOPSIS...

WARM AND CLEAR CONDITIONS WILL PREVAIL THROUGH MONDAY...AS HIGH PRESSURE REMAINS IN PLACE. AN AREA OF LOW PRESSURE OVER WESTERN WASHINGTON STATE WILL MOVE SOUTH ALONG THE WEST COAST MONDAY NIGHT AND TUESDAY...WITH COOLER CONDITIONS DEVELOPING FOR THE FIRST PART OF THE WORK WEEK. THE MARINE LAYER WILL RETURN AND DEEPEN AS WELL...WITH NIGHT AND MORNING COASTAL LOW CLOUDS AND FOG BECOMING MORE WIDESPREAD EACH NIGHT. THIS LOW PRESSURE SYSTEM WILL WEAKEN LATE IN THE WEEK...ALLOWING HIGH PRESSURE TO EXPAND BACK ACROSS SOUTHERN CALIFORNIA FROM THE DESERT SOUTHWEST NEXT WEEKEND. THIS WILL BRING A WARMING TREND TOWARD THE END OF THE WEEK ALONG WITH A SHALLOWER MARINE LAYER.

&&

.DISCUSSION...FOR EXTREME SOUTHWESTERN CALIFORNIA INCLUDING ORANGE... SAN DIEGO...WESTERN RIVERSIDE AND SOUTHWESTERN SAN BERNARDINO COUNTIES...

WHILE TEMPS WERE A FEW DEGREES ABOVE NORMAL TODAY GENERALLY ACROSS THE REGION...IT WAS STILL REASONABLY PLEASANT ALL THINGS CONSIDERED...WITH MODERATE HUMIDITY AND SUNNY SKIES IN MOST AREAS. IN THE BIGGER PICTURE...WE REMAIN UNDER THE CONTROL OF A BROAD BUT NOT PARTICULARLY STRONG RIDGE OF HIGH PRESSURE...WITH THE HIGH CENTERED NEAR THE 4-CORNERS REGION. THIS FEATURE IS FAR ENOUGH EAST THAT SUBTROPICAL MOISTURE REMAINS SOUTH AND EAST OF OUR REGION. WITH THE GENERALLY WEAK ONSHORE FLOW...THE LATEST OBSERVATIONS AND SATELLITE DATA INDICATE THAT THE MARINE LAYER IS VERY SHALLOW BUT QUITE STRONG. WE WILL SEE THE MARINE STRATUS DECKS BEGIN TO FORM OVER THE NEXT FEW HOURS ALONG THE COAST...ALTHOUGH NOT MAKE IT MORE THAN A FEW MILES INLAND GIVEN THE LIGHT FLOW PATTERN.

A CLOSED UPPER LOW WILL DROP SOUTH ALONG THE CALIFORNIA COAST MONDAY NIGHT AND TUESDAY. THIS FEATURE WILL HAVE LIMITED MOISTURE BUT COULD STILL SQUEEZE OUT A FEW RAIN SHOWERS AND STORMS. WE'LL CONTINUE TO MONITOR THE PROGRESS OF THAT FEATURE AND ANY POTENTIAL WEATHER IMPACTS...ALTHOUGH AT THIS TIME THEY APPEAR TO BE MINIMAL.

&&

.AVIATION...

180330Z...COAST/VALLEYS...STRATUS WITH BASES 700-1000 FT MSL WILL CONTINUE TO REDEVELOP OVER THE COASTAL WATERS AND MOVE INLAND UP TO

5 MILES TONIGHT...AFFECTING KSNA...KCRQ...AND KSN. CONFIDENCE OF OCCURRENCE IS MODERATE. VIS LOCALLY 3 SM OR LESS WHERE LOW CLOUDS NEAR TERRAIN ON THE LOWER COASTAL MESAS. STRATUS WILL CLEAR TO BEACHES BETWEEN 18/1500Z-1700Z MONDAY MORNING.

MTNS/DESERTS...A FEW CU WITH BASES NEAR 8000 FT MSL OVER THE MTN RIDGES MONDAY AFTERNOON. OTHERWISE CLEAR WITH UNRESTRICTED VISIBILITY THROUGH MON EVENING.

&&

.MARINE...

830 PM...NO HAZARDOUS MARINE WEATHER IS EXPECTED THROUGH THURSDAY.

&&

.BEACHES...

830 PM...A 2 FOOT MODERATE PERIOD SOUTHWEST SWELL WILL CONTINUE TO GENERATE ELEVATED SURF ON SOUTH FACING BEACHES AND STRONG RIP CURRENTS ALONG MOST BEACHES TONIGHT. SWELL AND SURF WILL BEGIN TO SUBSIDE MONDAY...THOUGH STRONG RIP CURRENTS WILL LIKELY PERSIST INTO TUESDAY.

&&

.SKYWARN...

SKYWARN ACTIVATION IS NOT REQUESTED. HOWEVER WEATHER SPOTTERS ARE ENCOURAGED TO REPORT SIGNIFICANT WEATHER CONDITIONS.

&&

.SGX WATCHES/WARNINGS/ADVISORIES...

CA...NONE.

PZ...NONE.

&&

\$\$

PUBLIC...BROTHERTON
AVIATION/MARINE...JT

┌
375
FXUS66 KSGX 180402
AFDSGX

AREA FORECAST DISCUSSION
NATIONAL WEATHER SERVICE SAN DIEGO CA
858 PM PDT SUN AUG 17 2014

.SYNOPSIS...

WARM AND CLEAR CONDITIONS WILL PREVAIL THROUGH MONDAY...AS HIGH PRESSURE REMAINS IN PLACE. AN AREA OF LOW PRESSURE OVER WESTERN WASHINGTON STATE WILL MOVE SOUTH ALONG THE WEST COAST MONDAY NIGHT AND TUESDAY...WITH COOLER CONDITIONS DEVELOPING FOR THE FIRST PART OF THE WORK WEEK. THE MARINE LAYER WILL RETURN AND DEEPEN AS WELL...WITH NIGHT AND MORNING COASTAL LOW CLOUDS AND FOG BECOMING MORE WIDESPREAD EACH NIGHT. THIS LOW PRESSURE SYSTEM WILL WEAKEN LATE IN THE WEEK...ALLOWING HIGH PRESSURE TO EXPAND BACK ACROSS SOUTHERN CALIFORNIA FROM THE DESERT SOUTHWEST NEXT WEEKEND. THIS WILL BRING A WARMING TREND TOWARD THE END OF THE WEEK ALONG WITH A SHALLOWER MARINE LAYER.

&&

.DISCUSSION...FOR EXTREME SOUTHWESTERN CALIFORNIA INCLUDING ORANGE...
SAN DIEGO...WESTERN RIVERSIDE AND SOUTHWESTERN SAN BERNARDINO
COUNTIES...

WHILE TEMPS WERE A FEW DEGREES ABOVE NORMAL TODAY GENERALLY ACROSS THE REGION...IT WAS STILL REASONABLY PLEASANT ALL THINGS CONSIDERED...WITH MODERATE HUMIDITY AND SUNNY SKIES IN MOST AREAS. IN THE BIGGER PICTURE...WE REMAIN UNDER THE CONTROL OF A BROAD BUT NOT PARTICULARLY STRONG RIDGE OF HIGH PRESSURE...WITH THE HIGH CENTERED NEAR THE 4-CORNERS REGION. THIS FEATURE IS FAR ENOUGH EAST THAT SUBTROPICAL MOISTURE REMAINS SOUTH AND EAST OF OUR REGION. WITH THE GENERALLY WEAK ONSHORE FLOW...THE LATEST OBSERVATIONS AND SATELLITE DATA INDICATE THAT THE MARINE LAYER IS VERY SHALLOW BUT QUITE STRONG. WE WILL SEE THE MARINE STRATUS DECKS BEGIN TO FORM OVER THE NEXT FEW HOURS ALONG THE COAST...ALTHOUGH NOT MAKE IT MORE THAN A FEW MILES INLAND GIVEN THE LIGHT FLOW PATTERN.

A CLOSED UPPER LOW WILL DROP SOUTH ALONG THE CALIFORNIA COAST MONDAY NIGHT AND TUESDAY. THIS FEATURE WILL HAVE LIMITED MOISTURE BUT COULD STILL SQUEEZE OUT A FEW RAIN SHOWERS AND STORMS. WE'LL CONTINUE TO MONITOR THE PROGRESS OF THAT FEATURE AND ANY POTENTIAL WEATHER IMPACTS...ALTHOUGH AT THIS TIME THEY APPEAR TO BE MINIMAL BESIDES A STRENGTHENING MARINE LAYER AND GUSTY WINDS THROUGH THE PASSES AND CANYONS.

&&

.AVIATION...

180330Z...COAST/VALLEYS...STRATUS WITH BASES 700-1000 FT MSL WILL CONTINUE TO REDEVELOP OVER THE COASTAL WATERS AND MOVE INLAND UP TO 5 MILES TONIGHT...AFFECTING KSNA...KCRQ...AND KSAN. CONFIDENCE OF OCCURRENCE IS MODERATE. VIS LOCALLY 3 SM OR LESS WHERE LOW CLOUDS NEAR TERRAIN ON THE LOWER COASTAL MESAS. STRATUS WILL CLEAR TO BEACHES BETWEEN 18/1500Z-1700Z MONDAY MORNING.

MTNS/DESERTS...A FEW CU WITH BASES NEAR 8000 FT MSL OVER THE MTN RIDGES MONDAY AFTERNOON. OTHERWISE CLEAR WITH UNRESTRICTED VISIBILITY THROUGH MON EVENING.

&&

.MARINE...

830 PM...NO HAZARDOUS MARINE WEATHER IS EXPECTED THROUGH THURSDAY.

&&

.BEACHES...

830 PM...A 2 FOOT MODERATE PERIOD SOUTHWEST SWELL WILL CONTINUE TO GENERATE ELEVATED SURF ON SOUTH FACING BEACHES AND STRONG RIP CURRENTS ALONG MOST BEACHES TONIGHT. SWELL AND SURF WILL BEGIN TO SUBSIDE MONDAY...THOUGH STRONG RIP CURRENTS WILL LIKELY PERSIST INTO TUESDAY.

&&

.SKYWARN...

SKYWARN ACTIVATION IS NOT REQUESTED. HOWEVER WEATHER SPOTTERS ARE ENCOURAGED TO REPORT SIGNIFICANT WEATHER CONDITIONS.

&&

.SGX WATCHES/WARNINGS/ADVISORIES...

CA...NONE.

PZ...NONE.

&&

\$\$

PUBLIC...BROTHERTON
AVIATION/MARINE...JT

National Weather Service Raw Text Product

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020
WMUS75 KPSR 180451
NPWPSR

URGENT - WEATHER MESSAGE
NATIONAL WEATHER SERVICE PHOENIX AZ
951 PM MST SUN AUG 17 2014

AZZ027-180600-
/O.EXP.KPSR.DU.Y.0032.000000T0000Z-140818T0500Z/
SOUTHWEST MARICOPA COUNTY-
INCLUDING THE CITY OF...GILA BEND
951 PM MST SUN AUG 17 2014

...BLOWING DUST ADVISORY WILL EXPIRE AT 10 PM MST THIS EVENING...

THE BLOWING DUST ADVISORY WILL EXPIRE AT 10 PM MST THIS EVENING.
RAIN HAS OVERSPREAD THE GILA BEND AREA AND THE THREAT OF WIDESPREAD
BLOWING DUST HAS ENDED.

\$\$

AZZ026-180600-
/O.CON.KPSR.DU.Y.0032.000000T0000Z-140818T0600Z/
SOUTHWEST DESERTS-
INCLUDING THE CITIES OF...TACNA...WELLTON
951 PM MST SUN AUG 17 2014

...BLOWING DUST ADVISORY REMAINS IN EFFECT UNTIL 11 PM MST THIS
EVENING...

A BLOWING DUST ADVISORY REMAINS IN EFFECT UNTIL 11 PM MST THIS
EVENING.

* AFFECTED AREA...TACNA...WELLTON.

* TIMING...UNTIL 11 PM

* WINDS...20 TO 30 MPH.

* VISIBILITY...DECREASING TO AROUND 1 MILE...POSSIBLY AS LOW AS
A HALF MILE.

* IMPACTS...VISIBILITIES WILL DROP SUDDENLY RESULTING IN
HAZARDOUS DRIVING CONDITIONS ESPECIALLY ALONG INTERSTATE 8.

PRECAUTIONARY/PREPAREDNESS ACTIONS...

BE READY FOR A SUDDEN DROP IN VISIBILITY. IF YOU ENCOUNTER
BLOWING DUST OR BLOWING SAND ON THE ROADWAY OR SEE IT
APPROACHING...PULL OFF THE ROAD AS FAR AS POSSIBLE AND PUT YOUR
VEHICLE IN PARK. TURN THE LIGHTS ALL THE WAY OFF AND KEEP YOUR
FOOT OFF THE BRAKE PEDAL.

REMEMBER...PULL ASIDE...STAY ALIVE.

&&

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National Weather Service Raw Text Product

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250
WMUS85 KPSR 180608
SPSPSR

SPECIAL WEATHER STATEMENT
NATIONAL WEATHER SERVICE PHOENIX AZ
1108 PM MST SUN AUG 17 2014

AZZ025-026-180645-
YUMA AZ-
1108 PM MST SUN AUG 17 2014

...SIGNIFICANT WEATHER ADVISORY...

THE NATIONAL WEATHER SERVICE IN PHOENIX HAS ISSUED A

SIGNIFICANT WEATHER ADVISORY FOR...
CENTRAL YUMA COUNTY IN SOUTHWEST ARIZONA

UNTIL 1145 PM MST

AT 1106 PM MST...NATIONAL WEATHER SERVICE METEOROLOGISTS DETECTED
STRONG WINDS AHEAD OF THUNDERSTORMS ALONG A LINE EXTENDING FROM 19
MILES EAST OF YUMA PROVING GROUND TO 7 MILES NORTHWEST OF TYSON TO
11 MILES SOUTH OF MOHAWK...AND MOVING WEST AT 25 MPH.

WIND GUSTS AROUND 40 MPH AND BLOWING DUST ARE POSSIBLE.

LOCATIONS IMPACTED INCLUDE...
TACNA...
WELLTON...

LAT...LON 3311 11393 3289 11378 3257 11355 3245 11417
3264 11433 3296 11443
TIME...MOT...LOC 0608Z 070DEG 20KT 3305 11409 3285 11400
3256 11376

\$\$

18

National Weather Service Raw Text Product

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Latest Product

View As Image

194
FPUS75 KPSR 181002
NOWPSR

SHORT TERM FORECAST
NATIONAL WEATHER SERVICE PHOENIX AZ
302 AM MST MON AUG 18 2014

AZZ026-181200-
SOUTHWEST DESERTS-
INCLUDING THE CITIES OF...DATELAND...TACNA...AND WELLTON
302 AM MST MON AUG 18 2014

.NOW...
GUSTY EAST TO SOUTHEAST THUNDERSTORM OUTFLOW WINDS BETWEEN 20 AND 40
MPH WILL CONTINUE ACROSS PORTIONS OF THE SOUTHWEST DESERTS THROUGH 5
AM. THE STRONGEST WINDS WILL BE TO THE SOUTH OF INTERSTATE 8 AND OVER
AREAS TO THE WEST OF TACNA. THE WINDS WILL LIKELY CAUSE PATCHY
BLOWING SAND AND DUST WHICH COULD LOWER VISIBILITIES TO BELOW 2 MILES
AT TIMES. OTHERWISE THERE WILL BE A SLIGHT CHANCE FOR SHOWERS OR
THUNDERSTORMS INTO THE MORNING HOURS UNDER MOSTLY CLOUDY SKIES.

\$\$

AZZ025-CAZ031-181200-
YUMA/MARTINEZ LAKE AND VICINITY-LOWER COLORADO RIVER VALLEY CA-
INCLUDING THE CITIES OF...FORTUNA FOOTHILLS...SAN LUIS...SOMERTON...
YUMA...AND BLYTHE
302 AM MST MON AUG 18 2014 /302 AM PDT MON AUG 18 2014/

.NOW...
GUSTY EAST TO SOUTHEAST THUNDERSTORM OUTFLOW WINDS WILL PERSIST
ACROSS YUMA AND THE SOUTHERN PORTION OF THE LOWER COLORADO RIVER
VALLEY THROUGH AROUND 5 AM THIS MORNING. WINDS SPEEDS FROM 25 TO
NEAR 50 MPH ARE POSSIBLE...AND THE GUSTY WINDS WILL LIKELY LEAD TO
AREAS OF BLOWING DUST AND SAND WITH VISIBILITIES LOWERED TO BELOW ONE
MILE AT TIMES. OTHERWISE SKIES WILL BE MOSTLY CLOUDY INTO THE MORNING
HOURS.

\$\$

CAZ033-181200-
IMPERIAL COUNTY-
INCLUDING THE CITIES OF...BRAWLEY...CALEXICO...EL CENTRO...GLAMIS...
IMPERIAL...AND THE SALTON SEA
302 AM PDT MON AUG 18 2014

.NOW...
GUSTY EAST TO SOUTHEAST THUNDERSTORM OUTFLOW WINDS WILL AFFECT MUCH
OF IMPERIAL COUNTY...INCLUDING IMPERIAL AND EL CENTRO...THROUGH 5 AM
THIS MORNING. WINDS SPEEDS FROM 20 TO OVER 40 MPH ARE LIKELY...AND
THEY WILL LEAD TO PATCHY BLOWING DUST AND SAND. VISIBILITIES MAY
LOWER TO BELOW 2 MILES AT TIMES...AND WILL CREATE HAZARDOUS DRIVING
CONDITIONS ESPECIALLY FOR MOTORISTS ON INTERSTATE 8 WEST OF YUMA. OTHERWISE
SKIES WILL BE PARTLY TO MOSTLY CLOUDY INTO THE MORNING HOURS.

\$\$

VISIT US ON FACEBOOK...TWITTER...AND AT WEATHER.GOV/PHOENIX

National Weather Service Raw Text Product

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302
FLUS45 KPSR 181021
HWOPSR

HAZARDOUS WEATHER OUTLOOK
NATIONAL WEATHER SERVICE PHOENIX AZ
321 AM MST MON AUG 18 2014

AZZ020>028-CAZ031-191030-
LOWER COLORADO RIVER VALLEY AZ-WEST CENTRAL DESERTS-
NORTHWEST MARICOPA COUNTY-GREATER PHOENIX AREA-
SOUTHERN GILA COUNTY/TONTO NATIONAL FOREST FOOTHILLS-
YUMA/MARTINEZ LAKE AND VICINITY-SOUTHWEST DESERTS-
SOUTHWEST MARICOPA COUNTY-NORTHWEST AND NORTH CENTRAL PINAL COUNTY-
LOWER COLORADO RIVER VALLEY CA-
321 AM MST MON AUG 18 2014 /321 AM PDT MON AUG 18 2014/

THIS HAZARDOUS WEATHER OUTLOOK IS FOR EAST-CENTRAL
ARIZONA...EXTREME SOUTHWEST ARIZONA...EXTREME WEST-CENTRAL
ARIZONA...SOUTH-CENTRAL ARIZONA...SOUTHWEST ARIZONA...WEST-CENTRAL
ARIZONA AND EXTREME SOUTHEAST CALIFORNIA.

.DAY ONE...TODAY AND TONIGHT.

THE COMBINATION OF A RATHER STRONG UPPER LEVEL LOW CENTER (FOR MID-
AUGUST) APPROACHING FROM THE NORTHWEST AND INCREASING MOISTURE FROM
THE SOUTH WILL LEAD TO A RISING THREAT OF AFTERNOON AND EVENING
THUNDERSTORMS FOR TODAY AND TONIGHT. HEAVY RAIN...LOCALIZED FLOODING
AND STRONG GUSTY WINDS ARE THE PRIMARY WEATHER HAZARDS ASSOCIATED
WITH ANY STORM THAT DEVELOPS.

.DAYS TWO THROUGH SEVEN...TUESDAY THROUGH SUNDAY.

THE COMBINATION OF A RATHER STRONG UPPER LEVEL LOW CENTER THAT WILL
BE MOVING VERY SLOWLY EASTWARD ACROSS THE REGION AND TROPICAL
MOISTURE MOVING IN FROM THE SOUTHWEST WILL PRODUCE SCATTERED TO
NUMEROUS SHOWERS AND THUNDERSTORMS ACROSS THE REGION THROUGH AT LEAST
THE END OF THE WORKWEEK...WITH A WIDESPREAD HEAVY RAINFALL EVENT
POSSIBLE BY THE END OF THE WEEK.

.SPOTTER INFORMATION STATEMENT...

SPOTTER ACTIVATION IS NOT EXPECTED AT THIS TIME.

\$\$

NATIONAL WEATHER SERVICE PHOENIX IS ON THE INTERNET AT

WEATHER.GOV/PHOENIX

「
878
FXUS66 KSGX 181038
AFDSGX

AREA FORECAST DISCUSSION
NATIONAL WEATHER SERVICE SAN DIEGO CA
340 AM PDT MON AUG 18 2014

.SYNOPSIS...

AN INCREASE IN LOWER LEVEL MOISTURE FROM THUNDERSTORM OUTFLOW WILL BRING A SLIGHT CHANCE OF THUNDERSTORMS THIS AFTERNOON FOR THE SAN DIEGO COUNTY MOUNTAINS AND DESERTS AND THE RIVERSIDE COUNTY MOUNTAINS. A LOW PRESSURE SYSTEM ALONG THE PACIFIC NORTHWEST COAST WILL MOVE SOUTHWARD ALONG THE WEST COAST...MOVING INTO SOUTHERN CALIFORNIA TUESDAY NIGHT....THEN STALLING NEAR SOUTHERN CALIFORNIA THROUGH FRIDAY. THIS WILL BRING COOLING AND DEEPENING OF THE MARINE LAYER. THIS MAY DRAW TROPICAL MOISTURE NORTHWARD INTO THE AREA BRINGING A SLIGHT CHANCE OF SHOWERS AND THUNDERSTORMS AS EARLY AS TUESDAY NIGHT AND CONTINUING AT TIMES INTO FRIDAY.

&&

.DISCUSSION...FOR EXTREME SOUTHWESTERN CALIFORNIA INCLUDING ORANGE...
SAN DIEGO...WESTERN RIVERSIDE AND SOUTHWESTERN SAN BERNARDINO
COUNTIES...

OUTFLOW FROM THUNDERSTORMS OVER SOUTHWESTERN ARIZONA OVERNIGHT HAS BEEN MOVING ACROSS THE LOWER DESERTS OF SOUTHERN CALIFORNIA THE PAST FEW HOURS...REACHING THE DESERTS OF SAN DIEGO COUNTY AND THE SOUTHERN COACHELLA VALLEY AROUND 3 AM WITH GUSTY EAST TO SOUTHEAST WINDS. THE OUTFLOW HAS GENERATED BLOWING DUST AND SAND IN UPSTREAM AREAS. THIS OUTFLOW WILL ALSO BRING AN INCREASE IN LOWER LEVEL MOISTURE FOR THE LOWER DESERTS. THIS MOISTURE COULD BE SUFFICIENT FOR A FEW THUNDERSTORMS FOR THE SAN DIEGO COUNTY MOUNTAINS AND DESERTS AND THE RIVERSIDE COUNTY MOUNTAINS FOR THIS AFTERNOON EVEN THOUGH DRYING ALOFT WILL BE UNDERWAY AS DRIER SOUTHWEST FLOW ALOFT STRENGTHENS.

FOR COASTAL AREAS...A WEAK COASTAL EDDY HAS DEVELOPED AS EXPECTED WITH STRATUS INCREASING IN COVERAGE OVER THE COASTAL WATERS AND EXTENDING LOCALLY INLAND. THROUGH EARLY THIS MORNING...IT IS EXPECTED TO CONTINUING NORTHWARD ACROSS ORANGE COUNTY AND INLAND INTO THE WESTERN VALLEYS IN SAN DIEGO COUNTY.

A LOW PRESSURE SYSTEM ALONG THE PACIFIC NORTHWEST COAST WILL MOVE SOUTHWARD ALONG THE WEST COAST...MOVING INTO SOUTHERN CALIFORNIA TUESDAY NIGHT. IT MAY STALL IN THE VICINITY OF SOUTHERN CALIFORNIA THROUGH FRIDAY. THIS WILL BRING A COOLING TREND AND DEEPENING OF THE MARINE LAYER.

MODELS SHOW INCREASING MID LEVEL MOISTURE TUESDAY NIGHT IN THE DIFLUENT AREA NORTHEAST OF THE UPPER LOW CENTER AS IT MOVES INTO

SOUTHERN CALIFORNIA WITH A SLIGHT CHANCE OF SHOWERS AND THUNDERSTORMS ADDED FOR THE NORTHERN AREAS FOR TUESDAY NIGHT INTO EARLY WEDNESDAY.

SOME PREVIOUS MODELS RUNS SHOWED RETROGRESSION OF THIS UPPER LEVEL LOW PRESSURE SYSTEM OFF THE SOUTHERN CALIFORNIA COAST WITH THE POTENTIAL TO DRAW TROPICAL MOISTURE FROM WHAT IS CURRENTLY TROPICAL DEPRESSION 12E NORTHWARD AND MORE DIRECTLY INTO THE UPPER LOW. THE NON-GFS SOLUTIONS ARE SIMILAR IN KEEPING THE UPPER LOW OFF THE SOUTHERN CALIFORNIA COAST WITH THE TROPICAL SYSTEM REMAINING FARTHER SOUTH. HOWEVER...THAT NON-GFS SOLUTION HOWEVER DOES DRAW TROPICAL MOISTURE NORTHWARD INTO SOUTHERN CALIFORNIA...MAINLY THURSDAY INTO FRIDAY. IF THIS OCCURS...THIS WOULD BE SUFFICIENT TO SUPPORT A CHANCE OF SHOWERS AND THUNDERSTORMS ALMOST ANYWHERE IN FAR SOUTHERN CALIFORNIA...NOT JUST IN THE MOUNTAINS AND DESERTS. GIVEN THE CONTINUING LACK OF MODEL CONSISTENCY...POPS HAVE BEEN RAISED ONLY SLIGHTLY THUS FAR. IF LATER MODEL RUNS CONTINUE WITH THIS TYPE OF SOLUTION...POPS MAY NEED TO BE INCREASED AND EXPANDED SOMEWHAT.

&&

.AVIATION...

180940Z...COAST/VALLEYS...STRATUS WITH BASES 800-1100 FT MSL WILL FILL IN ALONG THE COAST AND MOVE 10-15 MILES INLAND THROUGH 14Z. VIS LOCALLY 3 SM OR LESS WHERE LOW CLOUDS NEAR HIGHER COASTAL TERRAIN. STRATUS CLEARING TO THE COAST 15-17Z. STRATUS REDEVELOPING THIS EVENING WITH BASES 1000-1400 FT MSL...RETURNING TO THE COASTAL AIRPORTS AFTER 19/03Z.

MTNS/DESERTS...SCT-BKN CLOUDS AROUND 10000 FT MSL OVER THE LOWER DESERTS THIS MORNING. AN OUTFLOW BOUNDARY FROM EARLIER CONVECTION NEAR YUMA WILL PRODUCE EAST-SOUTHEAST WINDS WITH SFC GUSTS TO 25 KT AND LOCAL VIS 4SM OR LESS IN BLDU/HZ OVER THE SAN DIEGO COUNTY DESERTS AND SOUTHERN COACHELLA VALLEY THROUGH 13Z...INCLUDING VCNTY KTRM. OTHERWISE...A FEW CU WITH BASES NEAR 8000 FT MSL OVER THE MTN RIDGES THIS AFTERNOON AND UNRESTRICTED VIS.

&&

.MARINE...

250 AM...NO HAZARDOUS MARINE WEATHER IS EXPECTED THROUGH FRIDAY.

&&

.BEACHES...

250 AM...A 2 FOOT MODERATE PERIOD SOUTHWEST SWELL WILL CONTINUE TO PRODUCE STRONG RIP CURRENTS AND LONGSHORE CURRENTS AT ORANGE AND SAN DIEGO COUNTY BEACHES THROUGH TUESDAY.

&&

.SKYWARN...

SKYWARN ACTIVATION IS NOT REQUESTED. HOWEVER WEATHER SPOTTERS ARE ENCOURAGED TO REPORT SIGNIFICANT WEATHER CONDITIONS.

&&

.SGX WATCHES/WARNINGS/ADVISORIES...

CA...NONE.

PZ...NONE.

&&

\$\$

PUBLIC...17

AVIATION/MARINE...SS

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RSS

043
FXUS65 KPSR 181221 AAA
AFDPSR

AREA FORECAST DISCUSSION...UPDATED
NATIONAL WEATHER SERVICE PHOENIX AZ
520 AM MST MON AUG 18 2014

.UPDATE...UPDATED AVIATION AND FIRE WEATHER DISCUSSIONS.

&&

.SYNOPSIS...
AN EARLY SEASON PACIFIC LOW PRESSURE SYSTEM WILL APPROACH THE AREA TODAY...AND WILL DRAW EVEN MORE MONSOON MOISTURE NORTHWARD BACK INTO ARIZONA. MORE WIDESPREAD SHOWER AND THUNDERSTORM ACTIVITY IS EXPECTED ACROSS ARIZONA FROM LATE TONIGHT THROUGH MUCH OF THIS WEEK. WITH THE INCREASE IN HUMIDITIES AND CLOUDS...BELOW NORMAL TEMPERATURES ARE POSSIBLE BY TUESDAY AND WILL LIKELY CONTINUE THROUGH THE REMAINDER OF THE WORKWEEK.

&&

.DISCUSSION...
TODAY THROUGH WEDNESDAY...
THERE IS NOW EXCELLENT MODEL AGREEMENT ON THE FORECAST FOR OUR CWA THROUGH WEDNESDAY. BOTH THE GFS AND EURO ARE TRACKING A RATHER VIGOROUS UPPER LOW CENTER SOUTHWARD ALONG THE CA COAST DURING THIS PERIOD...WITH INCREASING SOUTHERLY TO SOUTHWESTERLY FLOW AHEAD OF THIS LOW CENTER PULLING ADDITIONAL MOISTURE NORTHWARD INTO THE REGION. A REFLECTION OF THIS MOISTURE...A VERY LARGE THUNDERSTORM COMPLEX CAN BEEN SEEN ON IR AND WATER VAPOR IMAGERY THIS MORNING OVER EXTREME NORTHWEST SONORA MEXICO...JUST SOUTH OF THE INTERNATIONAL BORDER. OUTFLOWS FROM THE TS COMPLEX WILL LIKELY PUSH SFC DEWPOINTS EVEN HIGHER OVER SOUTHWEST AZ THIS MORNING...PROVIDING THE FUEL FOR TS DEVELOPMENT LATER THIS AFTERNOON. THE LATEST HRRR IS NOW SHOWING...AFTER A BIT OF A BREAK LATER THIS MORNING AND EARLY AFTERNOON...WHICH WILL THE ATMOSPHERE A CHANCE TO RELOAD AFTER BEING WORKED OVER BY LAST NIGHT'S CONVECTIVE ACTIVITY...THUNDERSTORMS REBUILDING OVER THE HIGHER TERRAIN NORTH AND EAST OF PHX AND OVER SE AZ...THEN BEGIN TO MOVE THEM INTO THE LOWER ELEVATIONS BY LATE AFTERNOON AND EARLY EVENING. ONCE AGAIN...THE MAIN IMPACTS FROM THESE STORMS WILL BE GUSTY WINDS/LOCALIZED BLOWING DUST/BRIEF HEAVY DOWNPOURS.

SHOWER/TS ACTIVITY WILL LIKELY CONTINUE WELL INTO TONIGHT AND INTO TUESDAY...ESPECIALLY OVER SOUTH-CENTRAL AND SW AZ AS PWATS RISE INTO THE 1.80-2.00 INCH RANGE...AND UPPER-LEVEL DIFLUENCE DEVELOPS OVER THE REGION. HEAVY RAIN/LOCALIZED FLOODING WILL LIKELY BE THE MAIN ISSUE WITH STORMS LATER TONIGHT AND TUESDAY AS THE VERY MOIST AIRMASS WILL MAKE THEM MORE EFFICIENT RAINFALL PRODUCERS...WITH LOCALIZED RAINFALL AMOUNTS AOA 1 INCH LIKELY IN A FEW SPOTS. THE WIDESPREAD RAINFALL/CLOUDINESS IS EXPECTED TO PUSH HIGH TEMPS ON TUESDAY BACK BELOW NORMAL...WITH MANY LOWER DESERT LOCATIONS ACROSS SOUTH-CENTRAL AZ REMAINING BELOW 100F.

A BIT OF A BREAK IS LIKELY ON WEDNESDAY AS THE MAIN MOISTURE PLUME IS PUSHED TO THE SOUTH AND EAST BY THE APPROACHING UPPER LOW CENTER AS IT PUSHES INLAND OVER SOUTHERN CA...BUT SCATTERED THUNDERSTORMS ARE STILL LIKELY TO DEVELOP OVER THE HIGHER TERRAIN NORTH AND EAST OF PHOENIX.

THURSDAY THROUGH SATURDAY...
SOME MODEL CONSENSUS IS FINALLY BEGINNING TO SHOW UP DURING THIS PERIOD. THE EURO IS NOW BEGINNING TO SIDE WITH THE GFS...BY TAKING THE MAIN UPPER LOW CENTER INLAND INTO AZ/NM...WITH CONSIDERABLE TROPICAL MOISTURE FROM THE REMAINS OF TROPICAL CYCLONE 12E...WHICH HAS NOW FORMED WELL SOUTHWEST OF THE TIP OF BAJA CALIFORNIA...MOVING INTO THE DESERT SOUTHWEST AHEAD OF THIS LOW CENTER. THERE IS STILL CONSIDERABLE TIMING DIFFERENCES BETWEEN THE TWO MODELS...WITH THE GFS MOVING THE UPPER LOW CENTER INTO AZ LATE THU NIGHT/EARLY FRIDAY...WHILE THE MUCH SLOWER EURO MOVES IT INTO AZ ON SATURDAY. EITHER WAY...IT APPEARS MORE-AND-MORE LIKELY THAT A SIGNIFICANT RAINFALL EVENT COULD DEVELOP OVER AZ...WITH TEMPS FALLING WELL BELOW NORMAL...WHICH IS VERY UNUSUAL IN MID-LATE AUGUST. THUS...HAVE RAISED POPS ACROSS THE BOARD DURING THIS PERIOD.

SUNDAY AND MONDAY...
A RETURN TO A MUCH DRIER...AND WARMER PATTERN IS EXPECTED DURING

August 18, 2014 Exceptional Event, Imperial County

Appendix A

THIS PERIOD AS BOTH THE GFS AND EURO BEGIN TO DIG A BROAD LONG-WAVE TROUGH SOUTHWARD INTO THE INTERMOUNTAIN WEST...WITH WESTERLY FLOW ALOFT ADVECTING MUCH DRIER AIR INTO THE REGION.

&&

.AVIATION...
SOUTH-CENTRAL ARIZONA INCLUDING KPHX...KIWA...KSDL...
CONVECTION CONTINUES THIS MORNING ACROSS NORTHERN PORTIONS OF THE VALLEY...AFFECTING KSDL AND POSSIBLY KPHX. WILL KEEP VCTS IN THE TAFS THRU 14Z OR SO...MAY HAVE TO UPGRADE TO TEMPO GROUPS FOR CONVECTION SHOULD STORMS CONTINUE TO DEVELOP. OTHERWISE...INCREASING MONSOONAL MOISTURE FROM THE SOUTH WILL LEAD TO BETTER CHANCES FOR STORMS THIS AFTERNOON AND OVERNIGHT TONIGHT. FOR THE MOMENT DUE TO LACK OF CONFIDENCE IN TIMING AND STRENGTH OF THE STORMS...WILL SIMPLY PUT VCTS IN THE TAFS AFTER 01Z...TRANSITION TO VCSH AFTER ABOUT 06Z...WITH BKN MID/UPPER LEVEL CLOUD DEBRIS CLOUD DECKS. POTENTIAL IS THERE LATER TODAY AND THIS EVENING FOR GUSTY VARIABLE OUTFLOW WINDS...DENSE BLOWING DUST...RESTRICTED VISIBILITY AS WELL AS STORMS AT THE TERMINALS. WILL UPDATE TAFS LATER TODAY AS NEEDED.

SOUTHWEST ARIZONA AND SOUTHEAST CALIFORNIA INCLUDING KIPL AND KBLH...
STRONG GUSTY EASTERLY OUTFLOW WINDS PERSIST AT KIPL...AND SHOW LITTLE SIGN OF EASING UP SO WILL KEEP ELY GUSTS TO 32KT WITH VSBYS TO 4SM AND LOW CIGS AS WELL THRU 14Z. HOPEFULLY THE WINDS WILL HAVE TAPERED OFF BY THEN. MAY SEE A FEW SHOWERS OR HIGH BASED STORMS IN THE AREA THRU MID MORNING AFFECTING BOTH KIPL AND BLH...WILL KEEP VCSH THRU MID/LATE MORNING AND AMEND FOR THUNDER AS NEEDED. OTHERWISE WINDS SHOULD FAVOR THE SOUTH OR SOUTHEAST NEXT 24 HOURS AT BOTH TAF SITES. FROM 18Z THRU TUESDAY MORNING...EXPECT MAINLY MID/UPPER LEVEL SCT-BKN CLOUD DECKS...THREAT FOR SHOWERS/STORMS NOT HIGH ENOUGH TO MENTION IN THE TAFS.

AVIATION DISCUSSION NOT UPDATED FOR AMENDED TAFS.

&&

.FIRE WEATHER...
WEDNESDAY THROUGH SUNDAY...
DEEP MONSOON MOISTURE WILL CONTINUE THIS PERIOD WITH HIGHER THAN NORMAL RELATIVE HUMIDITY. A GOOD CHANCE OF AFTERNOON AND EVENING THUNDERSTORMS ARE EXPECTED OVER HIGHER MOUNTAINS OF SOUTHERN GILA COUNTY EACH DAY...WITH A SLIGHT CHANCE OF THUNDERSTORMS ON THE LOWER SOUTHWEST AND SOUTH CENTRAL DESERTS. MINIMUM RELATIVE HUMIDITIES WILL RANGE FROM 25 TO 30 PERCENT. OVERNIGHT RECOVERY WILL BE GOOD. AFTERNOON TEMPERATURES WILL BE BELOW NORMAL THIS PERIOD ESPECIALLY FROM PHOENIX EASTWARD. ADDITIONALLY...AFTERNOON/EARLY EVENING WINDS WILL BE SOUTHWESTERLY AND GENERALLY UNDER 20 MPH...EXCEPT NEAR THUNDERSTORMS.

&&

.PSR WATCHES/WARNINGS/ADVISORIES...

AZ...NONE.

CA...NONE.

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VISIT US ON FACEBOOK...TWITTER...AND AT WEATHER.GOV/PHOENIX

DISCUSSION...PERCHA
AVIATION...CB
FIRE WEATHER...VASQUEZ/CB

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042
FXUS66 KSGX 181621
AFDSGX

AREA FORECAST DISCUSSION
NATIONAL WEATHER SERVICE SAN DIEGO CA
920 AM PDT MON AUG 18 2014

.SYNOPSIS...

THROUGH THIS EVENING...AN INCREASE IN LOWER LEVEL MOISTURE FROM
SOUTHWEST ARIZONA AND NORTHERN MEXICO WILL BRING A SLIGHT CHANCE OF
THUNDERSTORMS TO THE MOUNTAINS AND DESERTS FROM SAN DIEGO COUNTY
NORTHWARD TO SAN BERNARDINO COUNTY. SHOWERS AND THUNDERSTORMS ARE
UNLIKELY ON TUESDAY...BUT MAY RETURN AT TIMES FOR WEDNESDAY THROUGH
FRIDAY. A COOLING TREND BEGINS TODAY AND CONTINUES THROUGH
FRIDAY...WITH DAYTIME TEMPERATURES DECREASING TO NEAR OR A LITTLE
BELOW SEASONAL AVERAGES. THE MARINE LAYER WILL DEEPEN...WITH
NIGHT AND MORNING COASTAL LOW CLOUDS AND FOG SPREADING FARTHER
INLAND. DRY AND WARMER FOR THE WEEKEND INTO EARLY NEXT WEEK...WITH A
DECREASING MARINE LAYER.

&&

.DISCUSSION...FOR EXTREME SOUTHWESTERN CALIFORNIA INCLUDING ORANGE...
SAN DIEGO...WESTERN RIVERSIDE AND SOUTHWESTERN SAN BERNARDINO
COUNTIES...

SEVERAL MESOSCALE CONVECTIVE SYSTEMS OVER SOUTHWEST AZ AND NORTHERN
MEXICO HAVE PRODUCED OUTFLOW BOUNDARIES...BRINGING AN INFLUX OF
LOW-LEVEL MOISTURE INTO THE DESERTS AND MTNS. THE LOW-LEVEL SURGE
MOVING WEST THROUGH THE BANNING PASS HAS BEEN DETECTED BY SFC
INSTRUMENTS IN THOSE PORTIONS OF THE INLAND EMPIRE AS FAR WEST AS
BEAUMONT...WHERE DEWPOINT TEMPERATURES ARE NOW IN THE UPPER 60S.
THIS HAS INCREASED THE POTENTIAL FOR AFTERNOON/EVENING TSTMS OVER
THE MTNS...DESERTS AND POTENTIALLY SOME AREAS WEST OF THE MTNS. DUE
IN PART TO THE DEVELOPMENT OF A COASTAL EDDY...THE MARINE LAYER IS
NOW ABOUT 1700 FT DEEP AND PATCHY LOW CLOUDS HAVE SURGED INLAND AS
FAR AS 20 MILES IN SOME PLACES. THE MARINE LAYER CLOUDS ARE NOW IN
THE PROCESS OF BURNING OFF BUT WILL LIKELY RETURN TONIGHT...WITH
MORE COVERAGE AS THE MARINE LAYER CONTINUES TO DEEPEN.

THROUGH FRIDAY...AN UPPER LEVEL LOW OVER THE PACIFIC NORTHWEST COAST
WILL MOVE SOUTHWARD ALONG THE WEST COAST...REACHING SOUTHERN
CALIFORNIA TUESDAY NIGHT. IT IS EXPECTED TO STALL IN THE VICINITY OF
SOUTHERN CALIFORNIA THROUGH FRIDAY. AS THE LOW APPROACHES FROM THE
NW...DRY SW FLOW WILL INCREASE OVER SOCAL...ALL BUT ELIMINATING THE
POTENTIAL FOR CONVECTION ON TUE.

NUMERICAL MODELS SHOW INCREASING MID LEVEL MOISTURE TUESDAY NIGHT
AND WEDNESDAY IN THE DIFLUENT AREA NORTHEAST OF THE UPPER LOW CENTER
AS IT MOVES INTO SOUTHERN CALIFORNIA. THIS WILL BRING A SLIGHT
CHANCE OF SHOWERS AND THUNDERSTORMS...MAINLY FOR THE MTNS AND

DESERTS. BY THURSDAY...THE TSTM THREAT COULD SPREAD WESTWARD AS MORE SUB-TROPICAL MOISTURE GETS ENTRAINED INTO THE LOW FROM A TROPICAL SYSTEM CURRENTLY DESIGNATED AS 12-E. SHOWERS/TSTMS COULD LINGER INTO FRI.

DUE TO INCONSISTENCIES IN NUMERICAL GUIDANCE...THE FORECAST FOR CONVECTION IS QUITE UNCERTAIN. THIS IS MOSTLY DUE TO THE POSITIONING OF THE UPPER LOW WHEN IT REACHES SOUTHERN CALIFORNIA. SOME SOLUTIONS INDICATE A MORE WESTERN POSITION FOR THE UPPER LOW AND SOME A MORE EASTERN PLACEMENT. THE FORECAST LEANS MORE TOWARD A MORE WESTERN PLACEMENT OF THE UPPER LOW WHICH WOULD RESULT IN CONVECTION OVER OUR REGION AS OPPOSED TO FARTHER EAST TOWARDS THE LOWER COLORADO RIVER VALLEY.

THE APPROACHING UPPER LOW WILL ALSO WILL BRING A COOLING TREND AND DEEPENING OF THE MARINE LAYER THROUGH FRIDAY. DAYTIME TEMPERATURES ARE EXPECTED TO DECREASE TO NEAR SEASONAL AVERAGES...AND LOW CLOUDS AND FOG COULD SPREAD INLAND AS FAR AS THE FOOTHILLS OF SAN DIEGO COUNTY.

FOR THE WEEKEND INTO NEXT MONDAY...DRY AND WARMER IN NW FLOW ALOFT...WITH A SHALLOWER MARINE LAYER AS THE UPPER LOW OPENS INTO A TROUGH AND MOVES EAST...ALLOWING AN UPPER RIDGE TO BUILD OVER THE REGION.

&&

.AVIATION...

181500Z...LOW CLOUDS BASED AT AROUND 2000 FEET MSL...VIS 2-5SM IN BLOWING DUST...GUSTY EAST WINDS TO 25 KT...AND HIGHER DEBRIS CLOUDS FROM EARLIER THUNDERSTORMS JUST TO THE EAST OF KTRM WILL GRADUALLY DISSIPATE AND DIMINISH THIS MORNING. ISOLATED TSTORMS ARE POSSIBLE STARTING ALONG THE NEARBY MOUNTAIN SLOPES THIS AFTERNOON. BASES WILL BE AROUND 9000 FEET MSL WITH TOPS GROWING TO 30000 FEET. WHERE TSTORMS OCCUR...ERRATIC WINDS COULD GUST TO 30 KT. CONDITIONS WILL GRADUALLY CLEAR DURING THE EVENING.

LOW CLOUDS WILL RETURN TO COASTAL AIRPORTS BETWEEN 02-07Z THIS EVENING WITH BASES AROUND 1500 FEET MSL. THESE WILL EXTEND INTO SOME VALLEYS BY 12Z TUESDAY AND LOCAL VIS 3-5SM ALONG INLAND EDGE OF CLOUD DECK. SCATTER OUT TUESDAY WILL BE AROUND 16-18Z.

&&

.MARINE...

800 AM...NO HAZARDOUS MARINE WEATHER IS EXPECTED THROUGH FRIDAY.

&&

.SKYWARN...

SKYWARN ACTIVATION IS NOT REQUESTED. HOWEVER WEATHER SPOTTERS ARE ENCOURAGED TO REPORT SIGNIFICANT WEATHER CONDITIONS.

&&

.SGX WATCHES/WARNINGS/ADVISORIES...

CA...NONE.

PZ...NONE.

&&

\$\$

PUBLIC...PG

AVIATION/MARINE...MM

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of Science and Technology

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878
FXUS66 KSGX 182041
AFDSGX

AREA FORECAST DISCUSSION
NATIONAL WEATHER SERVICE SAN DIEGO CA
200 PM PDT MON AUG 18 2014

.SYNOPSIS...

THIS AFTERNOON AND EVENING...AN INCREASE IN LOWER LEVEL MOISTURE FROM SOUTHWEST ARIZONA AND NORTHERN MEXICO WILL BRING ISOLATED THUNDERSTORMS MOSTLY TO THE MOUNTAINS FROM SAN DIEGO COUNTY NORTHWARD TO SAN BERNARDINO COUNTY. SHOWERS AND THUNDERSTORMS ARE UNLIKELY ON TUESDAY...BUT MAY RETURN AT TIMES FOR WEDNESDAY THROUGH THURSDAY. A COOLING TREND BEGINS TODAY AND CONTINUES THROUGH FRIDAY...WITH DAYTIME TEMPERATURES DECREASING TO NEAR OR A LITTLE BELOW SEASONAL AVERAGES. THE MARINE LAYER WILL DEEPEN...WITH NIGHT AND MORNING COASTAL LOW CLOUDS AND FOG SPREADING FARTHER INLAND. DRY AND WARMER FOR THE WEEKEND INTO EARLY NEXT WEEK...WITH A DECREASING MARINE LAYER.

&&

.DISCUSSION...FOR EXTREME SOUTHWESTERN CALIFORNIA INCLUDING ORANGE... SAN DIEGO...WESTERN RIVERSIDE AND SOUTHWESTERN SAN BERNARDINO COUNTIES...

THE LOW LEVEL MOISTURE THAT SURGED WESTWARD FROM ARIZONA AND NORTHERN MEXICO HAS RESULTED IN ISOLATED TSTMS DEVELOPING OVER OUR LOCAL MTNS. THE TSTMS SHOULD CONTINUE TO DEVELOP AND COLLAPSE IN A NORMAL CYCLE UNTIL THIS EVENING WHEN DAYTIME HEATING IS LOST. THE MARINE LAYER CONTINUES TO DEEPEN AND LOW CLOUDS ARE REFORMING NEAR THE COAST OF SOUTHERN SAN DIEGO COUNTY. THE LOW CLOUDS WILL LIKELY RETURN EARLY TONIGHT...WITH MORE COVERAGE AND STRATUS SPREADING SEVERAL MILES INLAND.

THROUGH FRIDAY...AN UPPER LEVEL LOW OVER THE PACIFIC NORTHWEST COAST WILL MOVE SOUTHWARD ALONG THE WEST COAST...REACHING SOUTHERN CALIFORNIA TUESDAY NIGHT...THEN SHIFTING EAST BY THU NIGHT. AS THE LOW APPROACHES FROM THE NW...DRY SW FLOW WILL INCREASE OVER SOCAL...ALL BUT ELIMINATING THE POTENTIAL FOR CONVECTION ON TUE.

NUMERICAL MODELS SHOW INCREASING MID LEVEL MOISTURE TUESDAY NIGHT THROUGH THURSDAY AS THE LOW ENTRAINS MOISTURE FROM THE SUB-TROPICS. THIS WILL BRING A CHANCE OF SHOWERS AND THUNDERSTORMS...MAINLY FOR THE MTNS AND DESERTS. BY FRIDAY...THE TSTM THREAT DIMINISHES AS THE LOW OPENS INTO A TROUGH AND THE AXIS MOVES TO THE EAST.

MODELS ARE COMING INTO BETTER AGREEMENT REGARDING THE TRACK AND TIMING OF THE UPPER LOW. THE CURRENT CONSENSUS IS TRENDING TOWARD A SOLUTION LESS FAVORABLE FOR WIDESPREAD CONVECTION...AND LIMITING THE

August 18, 2014 Exceptional Event, Imperial County

POTENTIAL FOR CONVECTION TO WED AND THU.

THE APPROACHING UPPER LOW WILL ALSO BRING A COOLING TREND AND DEEPENING OF THE MARINE LAYER THROUGH FRIDAY. DAYTIME TEMPERATURES ARE EXPECTED TO DECREASE TO NEAR SEASONAL AVERAGES...AND LOW CLOUDS AND FOG COULD SPREAD INLAND AS FAR AS THE FOOTHILLS OF SAN DIEGO COUNTY.

FOR THE WEEKEND INTO NEXT MONDAY...DRY AND WARMER IN NW FLOW ALOFT...WITH A SHALLOWER MARINE LAYER AS THE UPPER LOW OPENS INTO A TROUGH AND MOVES EAST...ALLOWING AN UPPER RIDGE TO BUILD OVER THE REGION.

&&

.AVIATION...

182000Z...DUST WILL CONTINUE TO REDUCE VIS TO 4-5SM IN PARTS OF THE LOWER DESERT...INLAND EMPIRE...AND OVER THE PENINSULAR MOUNTAIN RANGE...BUT IS EXPECTED TO IMPROVE DURING THE AFTERNOON. ISOLATED THUNDERSTORMS WILL CONTINUE TO DEVELOP AND DISSIPATE ALONG THE PENINSULAR MOUNTAIN RANGE. BASES WILL BE AROUND 9000 FEET MSL WITH TOPS REACHING 35000 FEET. WHERE TSTORMS OCCUR...ERRATIC WINDS COULD GUST TO 30 KT. CONDITIONS WILL GRADUALLY CLEAR AFTER 01Z.

LOW CLOUDS WILL RETURN TO COASTAL AIRPORTS BETWEEN 02-06Z THIS EVENING WITH BASES AROUND 1500 FEET MSL. THESE WILL EXTEND INTO SOME INLAND VALLEYS BY 12Z TUESDAY WHERE LOCAL VIS COULD LOWER TO 3-5SM. SCATTER OUT TUESDAY WILL BE AROUND 16-18Z.

&&

.MARINE...

100 PM...NO HAZARDOUS MARINE WEATHER IS EXPECTED THROUGH SATURDAY.

&&

.SKYWARN...

SKYWARN ACTIVATION IS NOT REQUESTED. HOWEVER WEATHER SPOTTERS ARE ENCOURAGED TO REPORT SIGNIFICANT WEATHER CONDITIONS.

&&

.SGX WATCHES/WARNINGS/ADVISORIES...

CA...NONE.

PZ...NONE.

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PUBLIC...PG

AVIATION/MARINE...MM

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249
WGUS86 KSGX 182114
FLSSGX

FLOOD ADVISORY
NATIONAL WEATHER SERVICE SAN DIEGO CA
214 PM PDT MON AUG 18 2014

CAZ056-061-190000-
/O.NEW.KSGX.FA.Y.0035.140818T2114Z-140819T0000Z/
/00000.N.ER.000000T0000Z.000000T0000Z.000000T0000Z.00/
COACHELLA VALLEY-RIVERSIDE COUNTY MOUNTAINS-
214 PM PDT MON AUG 18 2014

THE NATIONAL WEATHER SERVICE IN SAN DIEGO HAS ISSUED AN

* URBAN AND SMALL STREAM FLOOD ADVISORY FOR...
SOUTH CENTRAL RIVERSIDE COUNTY IN SOUTHERN CALIFORNIA...

* UNTIL 500 PM PDT

* AT 210 PM PDT RADAR INDICATES A PERSISTENT AREA OF THUNDERSTORMS
IN THE AREA JUST EAST OF LAKE HEMET CALIFORNIA. RADAR ESTIMATES 1 TO
1.5 INCHES OF RAINFALL IN THE AREA...WITH ISOLATED RAINFALL CORES TO
2 INCHES.

* THE THUNDERSTORMS ARE ALMOST STATIONARY...BUT ARE SLOWLY
DEVELOPING TO THE SOUTHEAST.

* LOCATIONS IMPACTED INCLUDE...SANTA ROSA MOUNTAINS...STATE HIGHWAY
74...FOBES RANCH ROAD...AND UPPER AREAS OF PALM CANYON.

PRECAUTIONARY/PREPAREDNESS ACTIONS...

MOST FLOOD DEATHS OCCUR IN AUTOMOBILES. NEVER DRIVE YOUR VEHICLE INTO
AREAS WHERE THE WATER COVERS THE ROADWAY. FLOOD WATERS ARE USUALLY
DEEPER THAN THEY APPEAR. JUST ONE FOOT OF FLOWING WATER IS POWERFUL
ENOUGH TO SWEEP VEHICLES OFF THE ROAD. WHEN ENCOUNTERING FLOODED
ROADS MAKE THE SMART CHOICE...TURN AROUND...DONT DROWN.

&&

LAT...LON 3371 11662 3369 11636 3344 11635 3344 11661

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PIERCE

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311
WGUS86 KSGX 182144
FLSSGX

FLOOD ADVISORY
NATIONAL WEATHER SERVICE SAN DIEGO CA
244 PM PDT MON AUG 18 2014

CAZ055-060-190045-
/O.NEW.KSGX.FA.Y.0036.140818T2144Z-140819T0045Z/
/00000.N.ER.000000T0000Z.000000T0000Z.000000T0000Z.00/
SAN BERNARDINO COUNTY MOUNTAINS-APPLE AND LUCERNE VALLEYS-
244 PM PDT MON AUG 18 2014

THE NATIONAL WEATHER SERVICE IN SAN DIEGO HAS ISSUED AN

* URBAN AND SMALL STREAM FLOOD ADVISORY FOR...
SOUTH CENTRAL SAN BERNARDINO COUNTY IN SOUTHERN CALIFORNIA...

* UNTIL 545 PM PDT

* AT 238 PM PDT RADAR IS INDICATING A NEARLY STATIONARY THUNDERSTORM
NEAR ONYX PEAK NEAR CALIFORNIA ROUTE 38. RADAR IS ESTIMATING UP TO
1.5 INCHES OF RAIN HAS FALLEN IN THE AREA.

THIS IS THE FAR UPPER HEADWATERS OF THE SANTA ANA RIVER AND
WHITEWATER RIVER.

* LOCATIONS IMPACTED INCLUDE...ONYX PEAK.

PRECAUTIONARY/PREPAREDNESS ACTIONS...

EXCESSIVE RUNOFF FROM HEAVY RAINFALL WILL CAUSE ELEVATED LEVELS ON
SMALL CREEKS AND STREAMS...AND PONDING OF WATER ON COUNTRY ROADS AND
FARMLAND ALONG THE BANKS OF CREEKS AND STREAMS.

&&

LAT...LON 3435 11673 3425 11650 3407 11664 3415 11684

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PIERCE

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963
WGUS86 KSGX 182247
FLSSGX

FLOOD ADVISORY
NATIONAL WEATHER SERVICE SAN DIEGO CA
347 PM PDT MON AUG 18 2014

CAZ056-061-190000-
/O.CAN.KSGX.FA.Y.0035.000000T0000Z-140819T0000Z/
/00000.N.ER.000000T0000Z.000000T0000Z.000000T0000Z.00/
COACHELLA VALLEY-RIVERSIDE COUNTY MOUNTAINS-
347 PM PDT MON AUG 18 2014

...THE URBAN AND SMALL STREAM FLOOD ADVISORY HAS BEEN CANCELLED FOR
SOUTH CENTRAL RIVERSIDE COUNTY...

AT 345 PM RADAR INDICATED THE THUNDERSTORMS IN THE AREA EAST OF LAKE
HEMET HAVE ENDED. THE UPPER HEADWATERS OF PALM CANYON AND STREAMS
MAY STILL HAVE WATER FLOWING...HOWEVER MOST ROADS SHOULD NOW HAVE
DRAINED. HOWEVER...BE CAUSIOUS OF ROCKS AND DEBRIS IN THE ROADWAY
AS WATER FLOWING ALONG THE ROADS AND POSSIBLY ACROSS THE ROADS
EARLIER THIS AFTERNOON OFTEN LOOSENS ROCKS AND DEBRIS THAT FALL AND
FLOW ONTO THE ROADWAYS.

LAT...LON 3371 11662 3369 11636 3344 11635 3344 11661

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PIERCE

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486
WGUS86 KSGX 182258
FLSSGX

FLOOD ADVISORY
NATIONAL WEATHER SERVICE SAN DIEGO CA
358 PM PDT MON AUG 18 2014

CAZ055-060-190045-
/O.CON.KSGX.FA.Y.0036.000000T0000Z-140819T0045Z/
/00000.N.ER.000000T0000Z.000000T0000Z.000000T0000Z.00/
SAN BERNARDINO COUNTY MOUNTAINS-APPLE AND LUCERNE VALLEYS-
358 PM PDT MON AUG 18 2014

...THE URBAN AND SMALL STREAM FLOOD ADVISORY REMAINS IN EFFECT UNTIL
545 PM PDT FOR SOUTH CENTRAL SAN BERNARDINO COUNTY...

AT 358 PM PDT RADAR INDICATES THE THUNDERSTORMS NEAR ONYX PEAK ARE
ENDING. RAINFALL ESTIMATES OF UP TO 2.5 INCHES OCCURRED WITH THIS
STORM SINCE AROUND 2 PM THIS AFTERNOON.

RAINFALL IN THE AREA LIKELY CAUSES SMALL STREAMS AND DRAINAGE
DITCHES TO FLOW WITH WATER AND COULD CONTINUE TO IMPACT LOW LYING
AREAS AND LOW WATER CROSSINGS FOR THE NEXT 1 TO 2 HOURS.

ALSO BE CAUTIOUS OF ROCKS AND DEBRIS IN THE ROADWAYS AS FLOWING
WATER CAN LOOSEN ROCKS AND DEBRIS THAT CAN BE DEPOSITED ONTO ROADS.

PRECAUTIONARY/PREPAREDNESS ACTIONS...

MOST FLOOD DEATHS OCCUR IN AUTOMOBILES. NEVER DRIVE YOUR VEHICLE INTO
AREAS WHERE THE WATER COVERS THE ROADWAY. FLOOD WATERS ARE USUALLY
DEEPER THAN THEY APPEAR. JUST ONE FOOT OF FLOWING WATER IS POWERFUL
ENOUGH TO SWEEP VEHICLES OFF THE ROAD. WHEN ENCOUNTERING FLOODED
ROADS MAKE THE SMART CHOICE...TURN AROUND...DONT DROWN.

EXCESSIVE RUNOFF FROM HEAVY RAINFALL WILL CAUSE ELEVATED LEVELS ON
SMALL CREEKS AND STREAMS...AND PONDING OF WATER ON COUNTRY ROADS AND
FARMLAND ALONG THE BANKS OF CREEKS AND STREAMS.

&&

LAT...LON 3435 11673 3425 11650 3407 11664 3415 11684

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PIERCE

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357
WGUS86 KSGX 190044
FLSSGX

FLOOD ADVISORY
NATIONAL WEATHER SERVICE SAN DIEGO CA
544 PM PDT MON AUG 18 2014

CAZ055-060-190045-
/O.EXP.KSGX.FA.Y.0036.000000T0000Z-140819T0045Z/
/00000.N.ER.000000T0000Z.000000T0000Z.000000T0000Z.00/
SAN BERNARDINO COUNTY MOUNTAINS-APPLE AND LUCERNE VALLEYS-
544 PM PDT MON AUG 18 2014

...THE URBAN AND SMALL STREAM FLOOD ADVISORY WILL EXPIRE AT 545 PM
PDT FOR SOUTH CENTRAL SAN BERNARDINO COUNTY...

RAINFALL HAS ENDED OVER THE AREA...WITH NO FURTHER THUNDERSTORM
ACTIVITY EXPECTED THIS EVENING.

LAT...LON 3435 11673 3425 11650 3407 11664 3415 11684

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253
FXUS66 KSGX 190438
AFDSGX

AREA FORECAST DISCUSSION
NATIONAL WEATHER SERVICE SAN DIEGO CA
903 PM PDT MON AUG 18 2014

.SYNOPSIS...

TODAYS THUNDERSTORM ACTIVITY HAS DISSIPATED AND DRY CONDITIONS WILL CONTINUE THROUGH THE DAY ON TUESDAY. AN AREA OF LOW PRESSURE PROPAGATING DOWN THE WEST COAST WILL BRING A DEEPER MARINE LAYER...AND A SLIGHT CHANCE FOR MOUNTAIN AND DESERT THUNDERSTORMS ON WEDNESDAY AND THURSDAY. DRIER CONDITIONS AND A SHALLOWER MARINE LAYER ARE ON TAP FOR FRIDAY INTO THE WEEKEND.

&&

.DISCUSSION...FOR EXTREME SOUTHWESTERN CALIFORNIA INCLUDING ORANGE... SAN DIEGO...WESTERN RIVERSIDE AND SOUTHWESTERN SAN BERNARDINO COUNTIES...

A QUICK SURGE OF MONSOONAL MOISTURE BROUGHT HIGHER HUMIDITIES AND A FEW THUNDERSTORMS TO THE MOUNTAINS AND DESERTS TODAY. TODAYS HIGHEST OBSERVED RAINFALL TOTAL OCCURRED AT THE SKY OAKS SITE IN SAN DIEGO COUNTY...WITH 0.76 INCHES OF OBSERVED RAINFALL. THE LOSS OF DIURNAL HEATING PUT A QUICK END TO THUNDERSTORM ACTIVITY OVER OUR REGION THIS EVENING. A FEW REMNANT HIGH CLOUDS FROM TODAYS CONVECTION ARE STILL VISIBLE ON THE IR IMAGERY...BUT THESE SHOULD DECREASE IN COVERAGE AND SHIFT EASTWARD OVER THE NEXT COUPLE OF HOURS. WEST OF THE MOUNTAINS THE LOW STRATUS HAS RETURNED TO THE COAST WITH A WEAK COASTAL EDDY OVER THE SOCAL BIGHT...GIVEN THESE CONDITIONS LOW STRATUS DECK IS EXPECTED TO PUSH INTO THE INLAND VALLEYS OVERNIGHT.

DRIER AND SLIGHTLY LESS HUMID CONDITIONS ARE EXPECTED FOR TUESDAY...WITH MONSOONAL MOISTURE SHIFTING TO THE EAST AS WESTERLY FLOW DEVELOPS IN THE MID-LEVELS AHEAD OF TROUGH PROPAGATING DOWN THE WEST COAST. TEMPERATURES WILL BE SLIGHTLY COOLER FOR THE COAST AND INLAND VALLEYS GIVEN 500 MB HEIGHT FALLS AND A DEEPER MARINE LAYER. CLEARING MAYBE SLOW ALONG THE COAST GIVEN THE EDDY AND POTENTIAL FOR A DEEPER MARINE LAYER. TEMPERATURES FOR THE LOWER DESERTS WILL BE SLIGHTLY HIGHER THAN TODAY DUE TO LESS MOISTURE AND CLOUD COVER.

UPPER LOW WILL SETTLE OVER THE AREA ON WEDNESDAY AND THURSDAY...RESULTING IN A SLIGHT CHANCES FOR THUNDERSTORMS OVER THE MOUNTAINS AND DESERTS AND A DEEPER MARINE LAYER WEST OF THE MOUNTAINS. WEDNESDAY WILL BE THE COOLEST DAY OF THE WEEK WEST OF THE MOUNTAINS...WITH MARINE STRATUS REACHING INTO THE INLAND EMPIRE WEDNESDAY MORNING. SLOW CLEARING POSSIBLE AGAIN WEDNESDAY MORNING GIVEN THE MARINE LAYER DEPTH...AND POTENTIAL FOR A WEAK COASTAL EDDY.

DESPITE SOME MODEL DISAGREEMENT WITH THE PLACEMENT OF THE UPPER

TROUGH ON FRIDAY...A DRY FORECAST STILL LOOKS TO BE ON TRACK...WITH THE MOST FAVORABLE UPPER LEVEL FORCING AND MOISTURE SHIFTED TO OUR EAST. INCREASING 500 MB HEIGHTS IN THE WAKE OF THE UPPER TROUGH WILL BRING A REDUCTION IN THE MARINE LAYER ON FRIDAY.

THE DRIER AND WARMER CONDITIONS THAT DEVELOP FRIDAY WILL MAINTAIN THEMSELVES THROUGH THE WEEKEND.

&&

.AVIATION...

190345Z...COAST/VALLEYS...A COASTAL EDDY SPUN UP THIS EVENING...USHERING IN THE LOW CLOUDS TO KSAN AND KCRQ WITH BASES AROUND 1500 FEET MSL...KSNA FOLLOWING BY 06Z. THE LOW CLOUDS WILL SPREAD INLAND TONIGHT...REACHING KONT BY AROUND 12Z TUESDAY MORNING FOR A FEW HOURS AS THE CLOUD DECK THICKENS. LOCAL VIS COULD LOWER TO 3-5SM WHERE CLOUDS INTERSECT HIGHER COASTAL TERRAIN. SCATTERING OF LOW CLOUDS AT THE COAST WILL BE LATE AND LIKELY ONLY FOR A FEW HOURS. AN EARLY RETURN OF STRATUS CIGS TO COASTAL AIRPORTS IS EXPECTED BETWEEN 19/23Z-20/02Z...A FEW HUNDRED FEET DEEPER AND SPREADING FURTHER INLAND TUESDAY NIGHT.

MTS/DESERTS...INCREASING ONSHORE FLOW WILL RESULT IN GUSTY WESTERLY WINDS OVER THE MOUNTAIN CRESTS...ADJACENT DESERT SLOPES AND THROUGH THE BANNING PASS TUESDAY AFTERNOON AND EVENING. SURFACE WINDS WILL BE 10 TO 20 KT WITH GUSTS TO 35 KT IN THE WINDIER LOCATIONS. WINDS WILL DECREASE WEDNESDAY MORNING.

&&

.MARINE...

845 PM...NO HAZARDOUS MARINE WEATHER IS EXPECTED THROUGH SATURDAY.

&&

.SKYWARN...

SKYWARN ACTIVATION IS NOT REQUESTED. HOWEVER WEATHER SPOTTERS ARE ENCOURAGED TO REPORT SIGNIFICANT WEATHER CONDITIONS.

&&

.SGX WATCHES/WARNINGS/ADVISORIES...NONE.

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PUBLIC...BA/PALMER
AVIATION/MARINE...TS